What is claimed is:

1. An antibody that binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1, wherein the antibody comprises a heavy chain having a CH3 domain comprising one or more amino acid substitutions, wherein the one or more substitutions introduce charged amino acids that are electrostatically unfavorable to homodimer formation and electrostatically favorable to heterodimer formation,

wherein the antibody comprises a set of six CDRs selected from the group consisting of a) CDR sequences of SEQ ID NOs:54, 55, and 56 and CDR sequences of SEQ ID NOs:51, 52, and 53; b) CDR sequences of SEQ ID NOs:60, 61, and 62 and CDR sequences of SEQ ID NOs:57, 58, and 59; c) CDR sequences of SEQ ID NOs:48, 49, and 50 and CDR sequences of SEQ ID NOs: 45, 46, and 47; d) CDR sequences of SEQ ID NOs:42, 43, and 44 and CDR sequences of SEQ ID NOs:39, 40, and 41; e) CDR sequences of SEQ ID NOs:275, 276, and 277 and CDR sequences of SEQ ID NOs:287, 288, and 289; f) CDR sequences of SEQ ID NOs:278, 279, and 280 and CDR sequences of SEQ ID NOs:290, 291, and 292; g) CDR sequences of SEQ ID NOs:78, 79, and 80 and CDR sequences of SEQ ID NOs: 245, 246, and 247; h) CDR sequences of SEQ ID NOs:81, 99, and 100 and CDR sequences of SEQ ID NOs:248, 249, and 250; i) CDR sequences of SEQ ID NOs:101, 102, and 103 and CDR sequences of SEQ ID NOs:251, 252, and 253; j) CDR sequences of SEQ ID NOs:104, 105, and 106 and CDR sequences of SEQ ID NOs:254, 255, and 256; k) CDR sequences of SEQ ID NOs:107, 108, and 109 and CDR sequences of SEQ ID NOs:257, 258, and 259; l) CDR sequences of SEQ ID NOs:110, 111, and 112 and CDR sequences of SEQ ID NOs:260, 261, and 262; m) CDR sequences of SEQ ID NOs:281, 282, and 283 and CDR sequences of SEQ ID NOs:293, 294, and 295; n) CDR sequences of SEQ ID NOs:113, 114, and 115 and CDR sequences of SEQ ID NOs:263, 264, and 265; o) CDR sequences of SEQ ID NOs:284, 285, and 286 and CDR sequences of SEQ ID NOs:296, 297, and 298; p) CDR sequences of SEQ ID NOs:116, 237, and 238 and CDR sequences of SEQ ID NOs:266, 267, and 268; q) CDR sequences of SEQ ID NOs:239, 240, and 241 and CDR sequences of SEQ ID NOs:269, 270, and 271) CDR sequences of SEQ ID NOs:242, 243, and 244 and CDR sequences of SEQ ID NOs:272, 273, and 274; and s) CDR sequences of SEQ ID NOs:351, 352, and 353 and CDR sequences of SEQ ID NOs:358, 359, and 360;

wherein at least one of the negative charged amino acids at EU positions D399, E356 and E357 in the CH3 domain are substituted with a positive charged amino acid; and

wherein at least one of the positive charged amino acids at positions EU positions K370, K392 and K409 in the CH3 domain are substituted with a negative charged amino acid.

2. The antibody of claim 2, wherein the positive charged amino acid is lysine.

3. The antibody of claim 2, wherein the negative charged amino acid is aspartic acid.

4. The antibody of any of the preceding claims that comprises a light chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 364, SEQ ID NO: 376, SEQ ID NO: 75, SEQ ID NO: 384, SEQ ID NO: 388, SEQ ID NO: 380, SEQ ID NO: 299, SEQ ID NO: 303, SEQ ID NO: 314, SEQ ID NO: 311, SEQ ID NO: 315 and SEQ ID NO: 368.

5. The antibody of any of the preceding claims that comprises a heavy chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 366, SEQ ID NO: 378, SEQ ID NO: 77, SEQ ID NO: 386, SEQ ID NO: 390, SEQ ID NO: 382, SEQ ID NO: 301, SEQ ID NO: 305, SEQ ID NO: 327, SEQ ID NO: 313, SEQ ID NO: 317 and SEQ ID NO: 370.

6. The antibody according to claim 2, wherein the antibody comprises

a first heavy chain and a first light chain comprising a sclerostin-binding portion and a second heavy chain and a second light chain comprising a DKK1-binding portion, wherein the first heavy chain comprises amino acid substitutions at AHo position 46 and EU positions 183, 356 and 399, wherein the second heavy chain comprises amino acid substitutions at AHo position 46 and EU positions 183, 392 and 409, wherein the first and second light chains comprise an amino acid substitution at AHo position 46 and EU position 176, and wherein the amino acid substitutions introduce a charged amino acid at said positions.

7. The antibody according to claim 1, wherein the antibody comprises

a first heavy chain and a first light chain comprising a sclerostin-binding portion and a second heavy chain and a second light chain comprising a DKK1-binding portion, wherein the first heavy chain comprises amino acid substitutions at EU positions 183, 356 and 399, wherein the second heavy chain comprises amino acid substitutions at EU positions 183, 392 and 409, and wherein the first and second light chains comprise an amino acid substitution at

EU position 176, wherein the amino acid substitutions introduce a charged amino acid at said positions.

8. The heterodimeric antibody of claim 6 or claim 7, wherein the sclerostin-binding portion comprises a set of six CDRs selected from the group consisting of a) CDR sequences of SEQ ID NOs:54, 55, and 56 and CDR sequences of SEQ ID NOs:51, 52, and 53; b) CDR sequences of SEQ ID NOs:60, 61, and 62 and CDR sequences of SEQ ID NOs:57, 58, and 59; c) CDR sequences of SEQ ID NOs:48, 49, and 50 and CDR sequences of SEQ ID NOs: 45, 46, and 47; d) CDR sequences of SEQ ID NOs:42, 43, and 44 and CDR sequences of SEQ ID NOs:39, 40, and 41; e) CDR sequences of SEQ ID NOs:275, 276, and 277 and CDR sequences of SEQ ID NOs:287, 288, and 289; f) CDR sequences of SEQ ID NOs:278, 279, and 280 and CDR sequences of SEQ ID NOs:290, 291, and 292; g) CDR sequences of SEQ ID NOs:78, 79, and 80 and CDR sequences of SEQ ID NOs: 245, 246, and 247; h) CDR sequences of SEQ ID NOs:81, 99, and 100 and CDR sequences of SEQ ID NOs:248, 249, and 250; i) CDR sequences of SEQ ID NOs:101, 102, and 103 and CDR sequences of SEQ ID NOs:251, 252, and 253; j) CDR sequences of SEQ ID NOs:104, 105, and 106 and CDR sequences of SEQ ID NOs:254, 255, and 256; k) CDR sequences of SEQ ID NOs:107, 108, and 109 and CDR sequences of SEQ ID NOs:257, 258, and 259; l) CDR sequences of SEQ ID NOs:110, 111, and 112 and CDR sequences of SEQ ID NOs:260, 261, and 262; m) CDR sequences of SEQ ID NOs:281, 282, and 283 and CDR sequences of SEQ ID NOs:293, 294, and 295; n) CDR sequences of SEQ ID NOs:113, 114, and 115 and CDR sequences of SEQ ID NOs:263, 264, and 265; o) CDR sequences of SEQ ID NOs:284, 285, and 286 and CDR sequences of SEQ ID NOs:296, 297, and 298; p) CDR sequences of SEQ ID NOs:116, 237, and 238 and CDR sequences of SEQ ID NOs:266, 267, and 268; q) CDR sequences of SEQ ID NOs:239, 240, and 241 and CDR sequences of SEQ ID NOs:269, 270, and 271) CDR sequences of SEQ ID NOs:242, 243, and 244 and CDR sequences of SEQ ID NOs:272, 273, and 274; or s) CDR sequences of SEQ ID NOs:351, 352, and 353 and CDR sequences of SEQ ID NOs:358, 359, and 360.

9. The heterodimeric antibody of claim 6 or claim 7, wherein the sclerostin-binding portion comprises a set of six CDRs selected from the group consisting of a) CDR-L1 of SEQ ID NO: 284, CDR-L2 of SEQ ID NO: 285, CDR-L3 of SEQ ID NO: 286, CDR-H1 of SEQ ID NO: 296, CDR-H2 of SEQ ID NO: 297, and CDR-H3 of SEQ ID NO: 298; b) CDR-L1 of SEQ ID NO: 48, CDR-L2 of SEQ ID NO: 49, CDR-L3 of SEQ ID NO: 50, CDR-H1 of SEQ ID NO: 45, CDR-H2 of SEQ ID NO: 46, and CDR-H3 of SEQ ID NO: 47;

or c) CDR-L1 of SEQ ID NO: 42, CDR-L2 of SEQ ID NO: 43, CDR-L3 of SEQ ID NO: 44, CDR-H1 of SEQ ID NO: 39, CDR-H2 of SEQ ID NO: 40, and CDR-H3 of SEQ ID NO: 41.

10. The heterodimeric antibody of claim 6 or claim 7, wherein the sclerostin-binding portion comprises a heavy chain and a light chain comprising CDR-H1 of SEQ ID NO: 269, CDR-H2 of SEQ ID NO: 270, CDR-H3 of SEQ ID NO: 271, CDR-L1 of SEQ ID NO: 239, CDR-L2 of SEQ ID NO: 240 and CDR-L3 of SEQ ID NO: 241.

11. The heterodimeric antibody of claim 6 or claim 7, wherein the first light chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 364, SEQ ID NO: 376, SEQ ID NO: 75, SEQ ID NO: 384, SEQ ID NO: 388, SEQ ID NO: 380, SEQ ID NO: 299, SEQ ID NO: 303, SEQ ID NO: 314, SEQ ID NO: 311, SEQ ID NO: 315 and SEQ ID NO: 368.

12. The heterodimeric antibody of claim 6 or claim 7, wherein the first heavy chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 366, SEQ ID NO: 378, SEQ ID NO: 77, SEQ ID NO: 386, SEQ ID NO: 390, SEQ ID NO: 382, SEQ ID NO: 301, SEQ ID NO: 305, SEQ ID NO: 327, SEQ ID NO: 313, SEQ ID NO: 317 and SEQ ID NO: 370.

13. The heterodimeric antibody of claim 6, wherein the DKK1-binding portion comprises a set of six CDRs selected from the group consisting of (a) SEQ ID NOs: 820-825, (b) SEQ ID NOs: 828-833, (c) SEQ ID NOs: 836-841, (d) SEQ ID NOs: 844-849, (e) SEQ ID NOs: 852-857, (f) SEQ ID NOs: 860-865, (g) SEQ ID NOs: 868-873, (h) SEQ ID NOs: 876-881, (i) SEQ ID NOs: 884-889, (j) SEQ ID NOs: 892-897, (k) SEQ ID NOs: 900-905, (l) SEQ ID NOs: 908-913, (m) SEQ ID NOs: 916-921, (n) SEQ ID NOs: 924-929, (o) SEQ ID NOs: 932-937, (p) SEQ ID NOs: 940-945, (q) SEQ ID NOs: 948-953, (r) SEQ ID NOs: 956-961, (s) SEQ ID NOs: 964-969, (t) SEQ ID NOs: 972-977, (u) SEQ ID NOs: 980-985, (v) SEQ ID NOs: 988-993, (w) SEQ ID NOs: 996-1001, and (x) SEQ ID NOs: 1004-1009.

14. The heterodimeric antibody of claim 6, wherein the DKK1-binding portion comprises a set of six CDRs selected from the group consisting of SEQ ID NOs: 980-985 and SEQ ID NOs: 1004-1009.

15. The heterodimeric antibody of claim 6, wherein the second light chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 818, SEQ ID NO: 826, SEQ ID NO: 834, SEQ ID NO: 842, SEQ ID NO: 850, SEQ ID NO: 866, SEQ ID NO: 874, SEQ ID NO: 882, SEQ ID NO: 890, SEQ ID NO: 898, SEQ

ID NO: 906, SEQ ID NO: 814, SEQ ID NO: 822, SEQ ID NO: 830, SEQ ID NO: 938, SEQ ID NO: 946, SEQ ID NO: 954, SEQ ID NO: 962, SEQ ID NO: 970, SEQ ID NO: 978, SEQ ID NO: 988, SEQ ID NO: 994 and SEQ ID NO: 1002.

16. The heterodimeric antibody of claim 6, wherein the second heavy chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 819, SEQ ID NO: 827, SEQ ID NO: 835, SEQ ID NO: 843, SEQ ID NO: 851, SEQ ID NO: 859, SEQ ID NO: 867, SEQ ID NO: 875, SEQ ID NO: 883, SEQ ID NO: 891, SEQ ID NO: 899, SEQ ID NO: 907, SEQ ID NO: 915, SEQ ID NO: 923, SEQ ID NO: 931, SEQ ID NO: 939, SEQ ID NO: 947, SEQ ID NO: 955, SEQ ID NO: 963, SEQ ID NO: 971, SEQ ID NO: 979, SEQ ID NO: 987, SEQ ID NO: 995 and SEQ ID NO: 1003.

17. A heterodimeric antibody that binds sclerostin and DKK-1, comprising

a first heavy chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 378 and 366 and comprising amino acid substitutions at EU positions 183, 356 and 399 of the first heavy chain,

a second heavy chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 1003 and 979 and comprising amino acid substitutions at EU positions 183, 392 and 409 of the second heavy chain,

a first light chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 376 and 364 and comprising an amino acid substitution at EU position 176 of the first light chain, and

a second light chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 1002 and 978 and comprising an amino acid substitution at EU position 176 of the second light chain;

wherein the amino acid substitutions introduce a charged amino acid at said positions.

18. A heterodimeric antibody that binds sclerostin and DKK-1, comprising

(a) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1038; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1034; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1039 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1035;

(b) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1038; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1036; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1039 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1037;

(c) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1040; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1034; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1041 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1035;

(d) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1040; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1036; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1041 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1037;

(e) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1046; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1042; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1047 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1043;

(f) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1046; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1044; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1047 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1045;

(g) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1048; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1042; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1049 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1043; or

(h) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1048; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1044; a first light chain comprising the amino acid sequence set forth in SEQ ID NO:

1049 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1045.

19. A heterodimeric antibody that binds sclerostin and DKK-1, comprising:

(a) a heavy chain that comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 1038, SEQ ID NO: 1046, SEQ ID NO: 1040 and SEQ ID NO: 1048, optionally further comprising a light chain amino acid sequence selected from the group consisting of SEQ ID NO: 1039, SEQ ID NO: 1047, SEQ ID NO: 1041 and SEQ ID NO: 1049; or

(b) a heavy chain that comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 1034, SEQ ID NO: 1042, SEQ ID NO: 1036 and SEQ ID NO: 1044, optionally further comprising a light chain amino acid sequence selected from the group consisting of SEQ ID NO: 1035, SEQ ID NO: 1043, SEQ ID NO: 1037 and SEQ ID NO: 1045.

20. The heterodimeric antibody of claim 1, that is an IgG immunoglobulin.

21. A nucleic acid comprising a nucleotide sequence encoding the heterodimeric antibody according to claim 1.

22. A vector comprising the nucleotide sequence of claim 21.

23. An isolated host cell comprising the nucleic acid of claim 21.

24. Use of heterodimeric antibody of any one of claims 6-19 in the manufacture of a medicament for increasing bone mineral density in a mammalian subject in need thereof.

25. A composition comprising the antibody of any one of claims 6-19 and a pharmaceutically acceptable carrier, diluent or adjuvant.

What is claimed is:

1. An antibody that binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1, wherein the antibody comprises substitutions in each of the following domains: a first CH_3-domain, a second CH_3-domain, a CH_1-domain, and a C_L-domain;

wherein the one or more substitutions introduce charged amino acids that are electrostatically unfavorable to homodimer formation and electrostatically favorable to heterodimer formation.

2. An antibody that binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1, wherein the antibody comprises a heavy chain having a CH3 domain comprising one or more amino acid substitutions, wherein the one or more substitutions introduce charged amino acids that are electrostatically unfavorable to homodimer formation and electrostatically favorable to heterodimer formation.

3. The antibody of claim 2, wherein a negative charged amino acid in the CH3 domain is substituted with a positive charged amino acid.

4. The antibody of claim 3, wherein the negative charged amino acid is at EU position D399, E356, or E357.

5. The antibody of claim 3, wherein the negative charged amino acid at EU positions D399, E356 and E357 are each substituted with a positive charged amino acid.

6. The antibody of claim 3 or claim 5, wherein the positive charged amino acid is lysine.

7. The antibody of claim 3, wherein a positive charge amino acid in the CH3 domain is substituted with a negative charged amino acid.

8. The antibody of claim 7, wherein the positive charged amino acid is at EU position K370, K392 or K409.

9. The antibody of claim 7, wherein the positive charged amino acids at EU positions K370, K392 and K409 are each substituted with a negative charged amino acid.

10. The antibody of claim 7 or claim 9, wherein the negative charged amino acid is aspartic acid.

11. The antibody of any the preceding claims that comprises comprises a set of six CDRs selected from the group consisting of a) CDR sequences of SEQ ID NOs:54, 55, and

56 and CDR sequences of SEQ ID NOs:51, 52, and 53; b) CDR sequences of SEQ ID NOs:60, 61, and 62 and CDR sequences of SEQ ID NOs:57, 58, and 59; c) CDR sequences of SEQ ID NOs:48, 49, and 50 and CDR sequences of SEQ ID NOs: 45, 46, and 47; d) CDR sequences of SEQ ID NOs:42, 43, and 44 and CDR sequences of SEQ ID NOs:39, 40, and 41; e) CDR sequences of SEQ ID NOs:275, 276, and 277 and CDR sequences of SEQ ID NOs:287, 288, and 289; f) CDR sequences of SEQ ID NOs:278, 279, and 280 and CDR sequences of SEQ ID NOs:290, 291, and 292; g) CDR sequences of SEQ ID NOs:78, 79, and 80 and CDR sequences of SEQ ID NOs: 245, 246, and 247; h) CDR sequences of SEQ ID NOs:81, 99, and 100 and CDR sequences of SEQ ID NOs:248, 249, and 250; i) CDR sequences of SEQ ID NOs:101, 102, and 103 and CDR sequences of SEQ ID NOs:251, 252, and 253; j) CDR sequences of SEQ ID NOs:104, 105, and 106 and CDR sequences of SEQ ID NOs:254, 255, and 256; k) CDR sequences of SEQ ID NOs:107, 108, and 109 and CDR sequences of SEQ ID NOs:257, 258, and 259; l) CDR sequences of SEQ ID NOs:110, 111, and 112 and CDR sequences of SEQ ID NOs:260, 261, and 262; m) CDR sequences of SEQ ID NOs:281, 282, and 283 and CDR sequences of SEQ ID NOs:293, 294, and 295; n) CDR sequences of SEQ ID NOs:113, 114, and 115 and CDR sequences of SEQ ID NOs:263, 264, and 265; o) CDR sequences of SEQ ID NOs:284, 285, and 286 and CDR sequences of SEQ ID NOs:296, 297, and 298; p) CDR sequences of SEQ ID NOs:116, 237, and 238 and CDR sequences of SEQ ID NOs:266, 267, and 268; q) CDR sequences of SEQ ID NOs:239, 240, and 241 and CDR sequences of SEQ ID NOs:269, 270, and 271) CDR sequences of SEQ ID NOs:242, 243, and 244 and CDR sequences of SEQ ID NOs:272, 273, and 274; and s) CDR sequences of SEQ ID NOs:351, 352, and 353 and CDR sequences of SEQ ID NOs:358, 359, and 360.

12. The antibody of any of the preceding claims that comprises a light chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 364, SEQ ID NO: 376, SEQ ID NO: 75, SEQ ID NO: 384, SEQ ID NO: 388, SEQ ID NO: 380, SEQ ID NO: 299, SEQ ID NO: 303, SEQ ID NO: 314, SEQ ID NO: 311, SEQ ID NO: 315 and SEQ ID NO: 368.

13. The antibody of any of the preceding claims that comprises a heavy chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 366, SEQ ID NO: 378, SEQ ID NO: 77, SEQ ID NO: 386, SEQ ID NO: 390, SEQ ID NO: 382, SEQ ID NO: 301, SEQ ID NO: 305, SEQ ID NO: 327, SEQ ID NO: 313, SEQ ID NO: 317 and SEQ ID NO: 370.

14. The antibody of any of the preceding claims, wherein the antibody binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1.

15. A heterodimeric antibody that binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1, wherein the antibody comprises

a first heavy chain and a first light chain comprising a sclerostin-binding portion and a second heavy chain and a second light chain comprising a DKK1-binding portion, wherein the first heavy chain comprises amino acid substitutions at AHo position 46 and EU positions 183, 356 and 399, wherein the second heavy chain comprises amino acid substitutions at AHo position 46 and EU positions 183, 392 and 409, wherein the first and second light chains comprise an amino acid substitution at AHo position 46 and EU position 176, and wherein the amino acid substitutions introduce a charged amino acid at said positions.

16. A heterodimeric antibody that binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1, the antibody comprising

a first heavy chain and a first light chain comprising a sclerostin-binding portion and a second heavy chain and a second light chain comprising a DKK1-binding portion, wherein the first heavy chain comprises amino acid substitutions at EU positions 183, 356 and 399, wherein the second heavy chain comprises amino acid substitutions at EU positions 183, 392 and 409, and wherein the first and second light chains comprise an amino acid substitution at EU position 176, wherein the amino acid substitutions introduce a charged amino acid at said positions.

17. The heterodimeric antibody of claim 15 or claim 16, wherein the sclerostin-binding portion comprises a set of six CDRs selected from the group consisting of a) CDR sequences of SEQ ID NOs:54, 55, and 56 and CDR sequences of SEQ ID NOs:51, 52, and 53; b) CDR sequences of SEQ ID NOs:60, 61, and 62 and CDR sequences of SEQ ID NOs:57, 58, and 59; c) CDR sequences of SEQ ID NOs:48, 49, and 50 and CDR sequences of SEQ ID NOs: 45, 46, and 47; d) CDR sequences of SEQ ID NOs:42, 43, and 44 and CDR sequences of SEQ ID NOs:39, 40, and 41; e) CDR sequences of SEQ ID NOs:275, 276, and 277 and CDR sequences of SEQ ID NOs:287, 288, and 289; f) CDR sequences of SEQ ID NOs:278, 279, and 280 and CDR sequences of SEQ ID NOs:290, 291, and 292; g) CDR sequences of SEQ ID NOs:78, 79, and 80 and CDR sequences of SEQ ID NOs: 245, 246, and 247; h) CDR sequences of SEQ ID NOs:81, 99, and 100 and CDR sequences of SEQ ID NOs:248, 249, and 250; i) CDR sequences of SEQ ID NOs:101, 102, and 103 and CDR

sequences of SEQ ID NOs:251, 252, and 253; j) CDR sequences of SEQ ID NOs:104, 105, and 106 and CDR sequences of SEQ ID NOs:254, 255, and 256; k) CDR sequences of SEQ ID NOs:107, 108, and 109 and CDR sequences of SEQ ID NOs:257, 258, and 259; l) CDR sequences of SEQ ID NOs:110, 111, and 112 and CDR sequences of SEQ ID NOs:260, 261, and 262; m) CDR sequences of SEQ ID NOs:281, 282, and 283 and CDR sequences of SEQ ID NOs:293, 294, and 295; n) CDR sequences of SEQ ID NOs:113, 114, and 115 and CDR sequences of SEQ ID NOs:263, 264, and 265; o) CDR sequences of SEQ ID NOs:284, 285, and 286 and CDR sequences of SEQ ID NOs:296, 297, and 298; p) CDR sequences of SEQ ID NOs:116, 237, and 238 and CDR sequences of SEQ ID NOs:266, 267, and 268; q) CDR sequences of SEQ ID NOs:239, 240, and 241 and CDR sequences of SEQ ID NOs:269, 270, and 271) CDR sequences of SEQ ID NOs:242, 243, and 244 and CDR sequences of SEQ ID NOs:272, 273, and 274; or s) CDR sequences of SEQ ID NOs:351, 352, and 353 and CDR sequences of SEQ ID NOs:358, 359, and 360.

18. The heterodimeric antibody of claim 15 or claim 16, wherein the sclerostin-binding portion comprises a set of six CDRs selected from the group consisting of a) CDR-L1 of SEQ ID NO: 284, CDR-L2 of SEQ ID NO: 285, CDR-L3 of SEQ ID NO: 286, CDR-H1 of SEQ ID NO: 296, CDR-H2 of SEQ ID NO: 297, and CDR-H3 of SEQ ID NO: 298; b) CDR-L1 of SEQ ID NO: 48, CDR-L2 of SEQ ID NO: 49, CDR-L3 of SEQ ID NO: 50, CDR-H1 of SEQ ID NO: 45, CDR-H2 of SEQ ID NO: 46, and CDR-H3 of SEQ ID NO: 47; or c) CDR-L1 of SEQ ID NO: 42, CDR-L2 of SEQ ID NO: 43, CDR-L3 of SEQ ID NO: 44, CDR-H1 of SEQ ID NO: 39, CDR-H2 of SEQ ID NO: 40, and CDR-H3 of SEQ ID NO: 41.

19. The heterodimeric antibody of claim 15 or claim 16, wherein the sclerostin-binding portion comprises a heavy chain and a light chain comprising CDR-H1 of SEQ ID NO: 269, CDR-H2 of SEQ ID NO: 270, CDR-H3 of SEQ ID NO: 271, CDR-L1 of SEQ ID NO: 239, CDR-L2 of SEQ ID NO: 240 and CDR-L3 of SEQ ID NO: 241.

20. The heterodimeric antibody of claim 15 or claim 16, wherein the first light chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 364, SEQ ID NO: 376, SEQ ID NO: 75, SEQ ID NO: 384, SEQ ID NO: 388, SEQ ID NO: 380, SEQ ID NO: 299, SEQ ID NO: 303, SEQ ID NO: 314, SEQ ID NO: 311, SEQ ID NO: 315 and SEQ ID NO: 368.

21. The heterodimeric antibody of claim 15 or claim 16, wherein the first heavy chain comprises a variable region amino acid sequence selected from the group consisting of

SEQ ID NO: 366, SEQ ID NO: 378, SEQ ID NO: 77, SEQ ID NO: 386, SEQ ID NO: 390, SEQ ID NO: 382, SEQ ID NO: 301, SEQ ID NO: 305, SEQ ID NO: 327, SEQ ID NO: 313, SEQ ID NO: 317 and SEQ ID NO: 370.

22. The heterodimeric antibody of any of claims 15-21, wherein the DKK1 binding portion comprises a set of six CDRs selected from the group consisting of (a) SEQ ID NOs: 820-825, (b) SEQ ID NOs: 828-833, (c) SEQ ID NOs: 836-841, (d) SEQ ID NOs: 844-849, (e) SEQ ID NOs: 852-857, (f) SEQ ID NOs: 860-865, (g) SEQ ID NOs: 868-873, (h) SEQ ID NOs: 876-881, (i) SEQ ID NOs: 884-889, (j) SEQ ID NOs: 892-897, (k) SEQ ID NOs: 900-905, (l) SEQ ID NOs: 908-913, (m) SEQ ID NOs: 916-921, (n) SEQ ID NOs: 924-929, (o) SEQ ID NOs: 932-937, (p) SEQ ID NOs: 940-945, (q) SEQ ID NOs: 948-953, (r) SEQ ID NOs: 956-961, (s) SEQ ID NOs: 964-969, (t) SEQ ID NOs: 972-977, (u) SEQ ID NOs: 980-985, (v) SEQ ID NOs: 988-993, (w) SEQ ID NOs: 996-1001, and (x) SEQ ID NOs: 1004-1009.

23. The heterodimeric antibody of any of claims 15-21, wherein the DKK1-binding portion comprises a set of six CDRs selected from the group consisting of SEQ ID NOs: 980-985 and SEQ ID NOs: 1004-1009.

24. The heterodimeric antibody of any of claims 15-21, wherein the second light chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 818, SEQ ID NO: 826, SEQ ID NO: 834, SEQ ID NO: 842, SEQ ID NO: 850, SEQ ID NO: 866, SEQ ID NO: 874, SEQ ID NO: 882, SEQ ID NO: 890, SEQ ID NO: 898, SEQ ID NO: 906, SEQ ID NO: 814, SEQ ID NO: 822, SEQ ID NO: 830, SEQ ID NO: 938, SEQ ID NO: 946, SEQ ID NO: 954, SEQ ID NO: 962, SEQ ID NO: 970, SEQ ID NO: 978, SEQ ID NO: 988, SEQ ID NO: 994 and SEQ ID NO: 1002.

25. The heterodimeric antibody of any of claims 15-21, wherein the second heavy chain comprises a variable region amino acid sequence selected from the group consisting of SEQ ID NO: 819, SEQ ID NO: 827, SEQ ID NO: 835, SEQ ID NO: 843, SEQ ID NO: 851, SEQ ID NO: 859, SEQ ID NO: 867, SEQ ID NO: 875, SEQ ID NO: 883, SEQ ID NO: 891, SEQ ID NO: 899, SEQ ID NO: 907, SEQ ID NO: 915, SEQ ID NO: 923, SEQ ID NO: 931, SEQ ID NO: 939, SEQ ID NO: 947, SEQ ID NO: 955, SEQ ID NO: 963, SEQ ID NO: 971, SEQ ID NO: 979, SEQ ID NO: 987, SEQ ID NO: 995 and SEQ ID NO: 1003.

26. A heterodimeric antibody that binds sclerostin and DKK-1, comprising

a first heavy chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 378 and 366 and comprising amino acid substitutions at EU positions 183, 356 and 399 of the first heavy chain,

a second heavy chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 1003 and 974 and comprising amino acid substitutions at EU positions 183, 392 and 409 of the second heavy chain,

a first light chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 376 and 364 and comprising an amino acid substitution at EU position 176 of the first light chain, and

a second light chain comprising a variable region amino acid sequence selected from the group consisting of SEQ ID NOs: 1002 and 978 and comprising an amino acid substitution at EU position 176 of the second light chain;

wherein the amino acid substitutions introduce a charged amino acid at said positions.

27. A heterodimeric antibody that binds sclerostin and DKK-1, comprising

(a) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1038; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1034; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1039 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1035;

(b) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1038; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1036; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1039 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1037;

(c) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1040; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1034; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1041 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1035;

(d) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1040; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1036; a first light chain comprising the amino acid sequence set forth in SEQ ID NO:

1041 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1037;

(e) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1046; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1042; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1047 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1043;

(f) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1046; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1044; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1047 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1045;

(g) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1048; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1042; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1049 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1043; or

(h) a first heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1048; a second heavy chain comprising the amino acid sequence set forth in SEQ ID NO: 1044; a first light chain comprising the amino acid sequence set forth in SEQ ID NO: 1049 and a second light chain comprising the amino acid sequence set forth in SEQ ID NO: 1045.

28. A heterodimeric antibody that binds sclerostin and DKK-1, comprising:

(a) a heavy chain that comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 1038, SEQ ID NO: 1046, SEQ ID NO: 1040 and SEQ ID NO: 1048, optionally further comprising a light chain amino acid sequence selected from the group consisting of SEQ ID NO: 1039, SEQ ID NO: 1047, SEQ ID NO: 1041 and SEQ ID NO: 1049; or

(b) a heavy chain that comprises an amino acid sequence selected from the group consisting of SEQ ID NO: 1034, SEQ ID NO: 1042, SEQ ID NO: 1036 and SEQ ID NO: 1044, optionally further comprising a light chain amino acid sequence selected from the

group consisting of SEQ ID NO: 1035, SEQ ID NO: 1043, SEQ ID NO: 1037 and SEQ ID NO: 1045.

29. A heterodimeric antibody or fragment thereof comprising one or more substitutions in each of the following domains: a first CH_3-domain, a second CH_3-domain, a CH_1-domain, a C_L-domain, a V_H-domain and a V_L-domain,

wherein the one or more substitutions introduce charged amino acids that are electrostatically unfavorable to homodimer formation and electrostatically favorable to heterodimer formation.

30. The heterodimeric antibody or fragment thereof of claim 29, wherein the first CH_3-domain or the second CH_3-domain comprises an amino acid sequence differing from wild-type IgG amino acid sequence such that one or more positive-charged amino acids in a wild-type human IgG amino acid sequence are replaced with one or more negative-charged amino acids.

31. The heterodimeric antibody or fragment thereof of claim 29, wherein the first CH_3-domain or the second CH_3-domain comprises an amino acid sequence differing from wild-type IgG amino acid sequence such that one or more negative-charged amino acids in a wild-type human IgG amino acid sequence are replaced with one or more positive-charged amino acids.

32. The heterodimeric antibody or fragment thereof of claim 29, wherein the CH_1-domain or the C_L-domain comprises an amino acid sequence differing from wild-type IgG amino acid sequence such that one or more positive-charged amino acids in wild-type IgG amino acid sequence are replaced with one or more negative-charged amino acids.

33. The heterodimeric antibody or fragment thereof of claim 29, wherein the CH_1-domain or the C_L-domain comprises an amino acid sequence differing from wild-type IgG amino acid sequence such that one or more negative-charged amino acids in wild-type IgG amino acid sequence are replaced with one or more positive-charged amino acids.

34. The heterodimeric antibody or fragment thereof of claim 29, wherein the V_H-domain or the V_L-domain comprises an amino acid sequence differing from wild-type IgG amino acid sequence such that one or more positive-charged amino acids in wild-type IgG amino acid sequence are replaced with one or more negative-charged amino acids.

35. The heterodimeric antibody or fragment thereof of claim 29, wherein the V_H-domain or the V_L-domain comprises an amino acid sequence differing from wild-type IgG amino acid sequence such that one or more negative-charged amino acids in wild-type IgG amino acid sequence are replaced with one or more positive-charged amino acids.

36. The heterodimeric antibody or fragment thereof of any one of claims 29-35, wherein the positive-charged amino acid is selected from the group consisting of lysine, histidine and arginine.

37. The heterodimeric antibody or fragment thereof of any one of claims 29-35, wherein the negative-charged amino acid is selected from the group consisting of aspartic acid and glutamic acid.

38. The heterodimeric antibody or fragment thereof of claim 29, wherein the first CH_3-domain comprises a replacement of a glutamic acid with a positive-charged amino acid.

39. The heterdimeric antibody or fragment thereof of claim 38, wherein the glutamic acid is Glu356.

40. The heterodimeric antibody or fragment thereof of claim 29, wherein the first CH_3-domain comprises a replacement of an aspartic acid with a negative-charged amino acid.

41. The heterodimeric antibody or fragment thereof of claim 40, wherein the aspartic acid is Asp356 and Asp399.

42. The heterodimeric antibody or fragment thereof of claim 29, wherein the second CH_3-domain comprises a replacement of a lysine with a negative-charged amino acid.

43. The heterodimeric antibody or fragment thereof of claim 42, wherein the lysine is selected from the group consisting of Lys392, Lys409, Lys439 and Lys370.

44. The heterodimeric antibody or fragment thereof of claim 29, wherein the CH_1-domain comprises a replacement of a serine with a negative-charged amino acid.

45. The heterodimeric antibody or fragment thereof of claim 44, wherein the serine is Ser183.

46. The heterodimeric antibody or fragment thereof of claim 29, wherein the C_L-domain comprises a replacement of a serine with a positive-charged amino acid.

47. The heterodimeric antibody or fragment thereof of claim 46, wherein the serine is Ser176.

48. The heterodimeric antibody or fragment thereof of claim 29, wherein the V_H-domain comprises a replacement of a glutamine with a negative-charged amino acid.

49. The heterodimeric antibody or fragment thereof of claim 48, wherein the glutamine is Gln38 (Kabat position 38, AHo position 46).

50. The heterodimeric antibody or fragment thereof of claim 29, wherein the V_L-domain comprises a replacement of a glutamine with a positive-charged amino acid.

51. The heterodimeric antibody or fragment thereof of claim 50, wherein the glutamine is Gln39 (Kabat position 39, AHo position 46).

52. The heterodimeric antibody or fragment thereof of any one of claims 29-51, that is selected from the group consisting of an antibody, a bispecific antibody, a monospecific monovalent antibody, a bispecific maxibody, a monobody, a peptibody, a bispecific peptibody, a monovalent peptibody and a receptor fusion protein.

53. A heterodimeric antibody or fragment thereof comprising a heavy chain comprising

(a) a first amino acid substitution at an AHo position selected from the group consisting of AHo positions 42-50 that introduces a charged amino acid at said position,

(b) a second amino acid substitution at a position selected from the group consisting of positions 126-213 (EU numbering) that introduces a charged amino acid at said position,

(c) a third amino acid substitution at a position selected from the group consisting of positions 352-360 (EU numbering) that introduces a charged amino acid at said position, and

(d) a fourth amino acid substitution at a position selected from the group consisting of positions 395-403 (EU numbering) that introduces a charged amino acid,

wherein the charged amino acid of (a) has the same charge as the charged amino acid of (b), and

wherein the charged amino acids of (c) and (d) have an opposite charge of the charged amino acids of (a) and (b).

54. The heterodimeric antibody or fragment thereof of claim 52, wherein the first amino acid substitution is at AHo position 46, the second amino acid substitution is at EU position 183, the third amino acid substitution is at EU position 356 and the fourth amino acid substitution is at EU position 399.

55. The heterodimeric antibody or fragment of claim 53, wherein glutamine at AHo position 46 is replaced with glutamic acid, serine at EU position 183 is replaced with glutamic acid, glutamic acid at EU position 356 is replaced with lysine, and aspartic acid at EU position 399 is replaced with lysine.

56. An antibody or fragment thereof comprising a heavy chain comprising

(a) a first amino acid substitution at an AHo position selected from the group consisting of AHo positions 35-43 that introduces a charged amino acid at said position,

(b) a second amino acid substitution at a position selected from the group consisting of positions 126-213 (EU numbering) that introduces a charged amino acid at said position,

(c) a third amino acid substitution at a position selected from the group consisting of positions 388-398 (EU numbering) that introduces a charged amino acid at said position, and

(d) a fourth amino acid substitution at a position selected from the group consisting of positions 404-413 (EU numbering) that introduces a charged amino acid,

wherein the charged amino acids of (c) and (d) have an opposite charge of the charged amino acids of (a) and (b).

57. The heterodimeric antibody or fragment thereof according to claim 56, wherein the first amino acid substitution is at AHo position 46, the second amino acid substitution is at EU position 183, the third amino substitution is at EU position 393 and the fourth amino acid substitution is at EUposition 409.

58. The antibody or fragment thereof claim 57, wherein glutamine at AHo position 46 is replaced with lysine, serine at EUposition 183 is replaced with lysine, lysine at EU position 392 is replaced with aspartic acid and lysine at EU position 409 is replaced with aspartic acid.

59. An heterodimeric antibody or fragment comprising a light chain comprising

(a) a first amino acid substitution at an AHo position selected from the group consisting of AHo positions 42-50 that introduces a charged amino acid at said position, and

(b) a second amino acid substitution at a position selected from the group consisting of positions 126-213 (EU numbering) that introduces a charged amino acid at said position.

60. The heterodimeric antibody or fragment thereof of claim 59, wherein the first amino acid substitution is at AHo position 46 and the second amino acid substitution is at EU position 176.

61. The heterodimeric antibody or fragment of claim 60, wherein glutamine at AHo position 46 is replaced with glutamic acid and serine at EU position 176 is replaced with glutamic acid.

62. An antibody or fragment thereof comprising a heavy chain comprising

(a) a first amino acid substitution at an AHo position selected from the group consisting of AHo positions 42-50 that introduces a charged amino acid at said position,

(b) a second amino acid substitution at a position selected from the group consisting of positions 126-213 (EU numbering) that introduces a charged amino acid at said position,

(c) a third amino acid substitution at a position selected from the group consisting of positions 352-360 (EU numbering) that introduces a charged amino acid at said position, and

(d) a fourth amino acid substitution at a position selected from the group consisting of positions 395-403 (EU numbering) that introduces a charged amino acid,

wherein the charged amino acids of (a) and (b) have a negative-charge and the charged amino acids of (c) and (d) have a positive charge.

63. The antibody of claim 62, wherein the first amino acid substitution is at position AHo 46, the second amino acid substitution is at EU position 183, the third amino acid substitution is at EU position 356 and the fourth amino acid substitution is at EU position 399.

64. The antibody or fragment thereof of claim 62, comprising a light chain comprising positive-charged amino acids at AHo position 46 and EU position 176.

65. A heterodimeric antibody or fragment thereof comprising a heavy chain comprising (a) a first amino acid substitution at an AHo position selected from the group consisting of AHo positions 42-50 that introduces a charged amino acid at said position,

(b) a second amino acid substitution at a position selected from the group consisting of positions 126-213 (EU numbering) that introduces a charged amino acid at said position,

(c) a third amino acid substitution at a position selected from the group consisting of positions 388-397 (EU numbering) that introduces a charged amino acid at said position, and

(d) a fourth amino acid substitution at a position selected from the group consisting of positions 404-413 (EU numbering) that introduces a charged amino acid,

wherein the charged amino acids of (a) and (b) have a positive-charge and the charged amino acids of (c) and (d) have a negative-charge.

66. The heterodimeric antibody or fragment thereof of claim 65, wherein the first amino acid substitution is at AHo position 46, the second amino acid substitution is at EU position 183, the third amino acid substitution is at EU position 392 and the fourth amino acid substitution is at EU position 409.

67. The heterodimeric antibody or fragment thereof of claim 65, comprising a light chain comprising negative-charged amino acids at AHo position 46 and EU position 176.

68. A heterodimeric antibody comprising a first heavy chain and a second heavy chain and a first light chain and a second light chain, wherein the first heavy chain comprises amino acid substitutions at AHo position 46 and EU positions 183, 356 and 399, wherein the second heavy chain comprises amino acid substitutions at AHo position 46 and EU positions 183, 392 and 409, and wherein the first and second light chains comprise an amino acid substitution at AHo position 46 and EU position 176, wherein the amino acid substitutions introduce a charged amino acid at said positions.

69. The heterodimeric antibody of claim 68, wherein glutamine at position AHo 46 of the first heavy chain is replaced with glutamic acid, wherein glutamine at position AHo 46 of the second heavy chain is replaced with lysine, wherein glutamine at position AHo 46 of the first light chain is replaced with lysine, wherein glutamine at position AHo 46 of the second light chain is replaced with glutamic acid, wherein serine at EU position 183 of the first heavy chain is replaced with glutamic acid, wherein glutamic acid at EU position 356 of the first heavy chain is replaced with lysine, wherein glutamic acid at EU position 399 of the first heavy chain is replaced with lysine, wherein serine at EU position 183 of the second heavy chain is replaced with lysine, wherein lysine at EU position 392 of the second heavy chain is replaced with aspartic acid, and wherein lysine at EU position 409 of the second heavy chain is replaced with aspartic acid.

70. The heterodimeric antibody of any one of claims 29-69, wherein the antibody binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1.

71. The heterodimeric antibody of any one of claims 1-70, that is an IgG immunoglobulin.

72. A nucleic acid comprising a nucleotide sequence encoding the heterodimeric antibody according to any one of claims 1-71.

73. A vector comprising the nucleotide sequence of claim 72.

74. An isolated host cell comprising the nucleic acid of claim 72 or the vector of claim 73.

75. Use of heterodimeric antibody of any one of claims 1-71 in the manufacture of a medicament for increasing bone mineral density in a mammalian subject.

76. A composition comprising the antibody of any one of claims 1-71 and a pharmaceutically acceptable carrier, diluent or adjuvant.

77. The composition according to claim 76, wherein less than 5% of the antibody in the composition is in aggregate form after two weeks of storage at about 4°C.

78. The composition according to claim 76, wherein less than 1% of the antibody in the composition is in aggregate form after two weeks of storage at about 4°C.

79. The composition according to claim 77 or claim 78, wherein an amount of antibody in the composition present in aggregate form in determined by Size Exclusion Chromatography.

88. A composition comprising a heterodimeric antibody or fragment thereof and a pharmaceutically acceptable carrier, diluent or adjuvant,

the heterodimeric antibody or fragment thereof comprising one or more substitutions in each of the following domains: a first CH_3-domain, a second CH_3-domain, a CH_1-domain, a C_L-domain, a V_H-domain and a V_L-domain, wherein the one or more substitutions introduce charged amino acids that are electrostatically unfavorable to homodimer formation and electrostatically favorable to heterodimer formation;

wherein less than 5% of the antibody or fragment in the composition is in aggregate form after two weeks of storage at about 4°C.

89. A composition comprising a heterodimeric antibody that binds to a region of sclerostin comprising amino acids 86-111 of SEQ ID NO: 1 and a pharmaceutically acceptable carrier, diluent or adjuvant,

the antibody comprising substitutions in each of the following domains: a first CH_3-domain, a second CH_3-domain, a CH_1-domain, and a C_L-domain, wherein the one or more substitutions introduce charged amino acids that are electrostatically unfavorable to homodimer formation and electrostatically favorable to heterodimer formation;

wherein less than 5% of the antibody in the composition is in aggregate form after two weeks of storage at about 4°C.

90. The composition according to claim 88 or claim 89, wherein less than 1% of the antibody in the composition is in aggregate form after two weeks of storage at about 4°C.