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[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF TUMOR

FIGURE 1

CGGCAAGATGCTGCCCGTGTACCAGGAGGTGAAGCCCAACCCGCTGCAGGACGCGAACCTCTGCTCACGCGT
GTTCTTCTGGTGGCTCAATCCCTTGTTTAAAATTGGCCATAAACGGAGATTAGAGGAAGATGATATGTATTC
AGTGCTGCCAGAAGACCGCTCACAGCACCTTGGAGAGGAGTTGCAAGGGTTCTGGGATAAAGAAGTTTTAAG
AGCTGAGAATGACGCACAGAAGCCTTCTTTAACAAGAGCAATCATAAAGTGTTACTGGAAATCTTATTTAGT
TTTGGGAATTTTTACGTTAATTGAGGAAAGTGCCAAAGTAATCCAGCCCATATTTTTGGGAAAAATTATTAA
TTATTTTGAAAATTATGATCCCATGGATTCTGTGGCTTTGAACACAGCGTACGCCTATGCCACGGTGCTGAC
TTTTTGCACGCTCATTTTGGCTATACTGCATCACTTATATTTTTATCACGTTCAGTGTGCTGGGATGAGGTT
ACGAGTAGCCATGTGCCATATGATTTATCGGAAGGCACTTCGTCTTAGTAACATGGCCATGGGGAAGACAAC
CACAGGCCAGATAGTCAATCTGCTGTCCAATGATGTGAACAAGTTTGATCAGGTGACAGTGTTCTTACACTT
CCTGTGGGCAGGACCACTGCAGGCGATCGCAGTGACTGCCCTACTCTGGATGGAGATAGGAATATCGTGCCT
TGCTGGGATGGCAGTTCTAATCATTCTCCTGCCCTTGCAAAGCTGTTTTGGGAAGTTGTTCTCATCACTGAG
GAGTAAAACTGCAACTTTCACGGATGCCAGGATCAGGACCATGAATGAAGTTATAACTGGTATAAGGATAAT
AAAAATGTACGCCTGGGAAAAGTCATTTTCAAATCTTATTACCAATTTGAGAAAGAAGGAGATTTCCAAGAT
TCTGAGAAGTTCCTGCCTCAGGGGGATGAATTTGGCTTCGTTTTCAGTGCAAGCAAAATCATCGTGTTTGT
GACCTTCACCACCTACGTGCTCCTCGGCAGTGTGATCACAGCCAGCCGCGTGTTCGTGGCAGTGACGCTGTA
TGGGGCTGTGCGGCTGACGGTTACCCTCTTCTTCCCCTCAGCCATTGAGAGGGTGTCAGAGGCAATCGTCAG
CATCCGAAGAATCCAGACCTTTTTGCTACTTGATGAGATATCACAGCGCAACCGTCAGCTGCCGTCAGATGG
TAAAAAGATGGTGCATGTGCAGGATTTTACTGCTTTTTGGGATAAGGCATCAGAGACCCCAACTCTACAAGG
CCTTTCCTTTACTGTCAGACCTGGCGAATTGTTAGCTGTGGTCGGCCCCGTGGGAGCAGGGAAGTCATCACT
GTTAAGTGCCGTGCTCGGGGAATTGGCCCCAAGTCACGGGCTGGTCAGCGTGCATGGAAGAATTGCCTATGT
GTCTCAGCAGCCCTGGGTGTTCTCGGGAACTCTGAGGAGTAATATTTTATTTGGGAAGAAATACGAAAAGGA
ACGATATGAAAAAGTCATAAAGGCTTGTGCTCTGAAAAAGGATTTACAGCTGTTGGAGGATGGTGATCTGAC
TGTGATAGGAGATCGGGGAACCACGCTGAGTGGAGGGCAGAAAGCACGGGTAAACCTTGCAAGAGCAGTGTA
TCAAGATGCTGACATCTATCTCCTGGACGATCCTCTCAGTGCAGTAGATGCGGAAGTTAGCAGACACTTGTT
CGAACTGTGTATTTGTCAAATTTTGCATGAGAAGATCACAATTTTAGTGACTCATCAGTTGCAGTACCTCAA
AGCTGCAAGTCAGATTCTGATATTGAAAGATGGTAAAATGGTGCAGAAGGGGACTTACACTGAGTTCCTAAA
ATCTGGTATAGATTTTGGCTCCCTTTTAAAGAAGGATAATGAGGAAAGTGAACAACCTCCAGTTCCAGGAAC
TCCCACACTAAGGAATCGTACCTTCTCAGAGTCTTCGGTTTGGTCTCAACAATCTTCTAGACCCTCCTTGAA
AGATGGTGCTCTGGAGAGCCAAGATACAGAGAATGTCCCAGTTACACTATCAGAGGAGAACCGTTCTGAAGG
AAAAGTTGGTTTTCAGGCCTATAAGAATTACTTCAGAGCTGGTGCTCACTGGATTGTCTTCATTTTCCTTAT
TCTCCTAAACACTGCAGCTCAGGTTGCCTATGTGCTTCAAGATTGGTGGCTTTCATACTGGGCAAACAAACA
AAGTATGCTAAATGTCACTGTAAATGGAGGAGGAAATGTAACCGAGAAGCTAGATCTTAACTGGTACTTAGG
AATTTATTCAGGTTAACTGTAGCTACCGTTCTTTTTGGCATAGCAAGATCTCTATTGGTATTCTACGTCCT
TGTTAACTCTTCACAAACTTTGCACAACAAAATGTTTGAGTCAATTCTGAAAGCTCCGGTATTATTCTTTGA
TAGAAATCCAATAGGAAGAATTTTAAATCGTTTCTCCAAAGACATTGGACACTTGGATGATTTGCTGCCGCT
GACGTTTTTAGATTTCATCCAGACATTGCTACAAGTGGTTGGTGTGGTCTCTGTGGCTGTGGCCGTGATTCC
TTGGATCGCAATACCCTTGGTTCCCCTTGGAATCATTTTCATTTTTCTTCGGCGATATTTTTTGGAAACGTC
AAGAGATGTGAAGCGCCTGGAATCTACAACTCGGAGTCCAGTGTTTTCCCACTTGTCATCTTCTCCAGGG
GCTCTGGACCATCCGGGCATACAAAGCAGAAGAGAGGTGTCAGGAACTGTTGATGCACACCAGGATTTACA
TTCAGAGGCTTGGTTCTTGTTTTTGACAACGTCCCGCTGGTTCGCCGTCCGTCTGGATGCCATCTGTGCCAT
GTTTGTCATCATCGTTGCCTTTGGGTCCCTGATTCTGGCAAAAACTCTGGATGCCGGGCAGGTTGGTTTGGC
ACTGTCCTATGCCCTCACGCTCATGGGGATGTTTCAGTGGTGTGTTCGACAAAGTGCTGAAGTTGAGAATAT
GATGATCTCAGTAGAAAGGGTCATTGAATACACAGACCTTGAAAAAGAAGCACCTTGGGAATATCAGAAACG
CCCACCACCAGCCTGGCCCCATGAAGGAGTGATAATCTTTGACAATGTGAACTTCATGTACAGTCCAGGTGG
GCCTCTGGTACTGAAGCATCTGACAGCACTCATTAAATCACAAGAAAAGGTTGGCATTGTGGGAAGAACCGG
AGCTGGAAAAAGTTCCCTCATCTCAGCCCTTTTAGATTGTCAGAACCCGAAGGTAAAATTTGGATTGATAA
GATCTTGACAACTGAAATTGGACTTCACGATTTAAGGAAGAAAATGTCAATCATACCTCAGGAACCTGTTTT
GTTCACTGGAACAATGAGGAAAAACCTGGATCCCTTTAATGAGCACACGGATGAGGAACTGTGGAATGCCTT
ACAAGAGGTACAACTTAAAGAAACCATTGAAGATCTTCCTGGTAAAATGGATACTGAATTAGCAGAATCAGG
ATCCAATTTTAGTGTTGGACAAAGACAACTGGTGTGCCTTGCCAGGGCAATTCTCAGGAAAAATCAGATATT
GATTATTGATGAAGCGACGGCAAATGTGGATCCAAGAACTGATGAGTTAATACAAAAAAAAATCCGGGAGAA
ATTGCCCACTGCACCGTGCTAACCATTGCACACAGATTGAACACCATTATTGACAGCGACAAGATAATGGT
TTTAGATTCAGGAAGACTGAAAGAATATGATGAGCCGTATGTTTTGCTGCAAAATAAAGAGAGCCTATTTTA
CAAGATGGTGCAACAACTGGGCAAGGCAGAAGCCGCTGCCCTCACTGAAACAGCAAAACAGGTATACTTCAA
AAGAAATTATCCACATATTGGTCACACTGACCACATGGTTACAAACACTTCCAATGGACAGCCCTCGACCTT
AACTATTTTCGAGACAGCACTGTGAATCCAACCAAAATGTCAAGTCCGTTCCGAAGCATTTTCAAGGGCGAA
TTCGTTTAAACCTGCAGGACTAGTCCCTTTAGTGAGGGTTAATTCT (SEQ ID NO:1)

(57) Abstract: The present invention is directed to compositions of matter useful for the diagnosis and treatment of tumor in mammals and to methods of using those compositions of matter for the same.

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