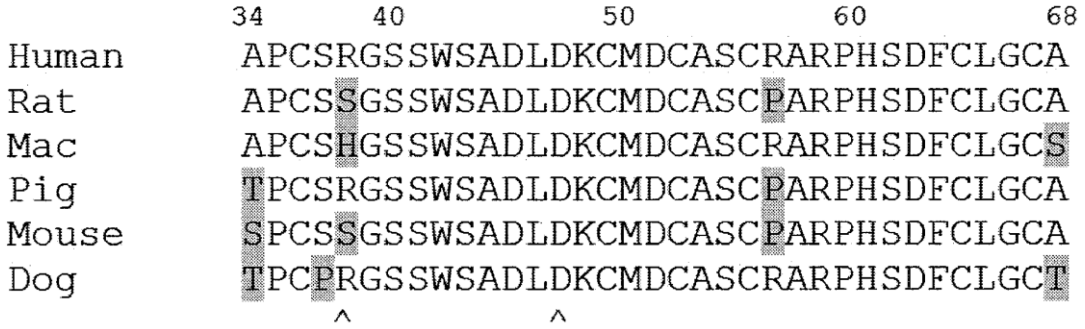

34 40 50 60 68
Human APCSRGSSWSADLDKCMDCASCRARPHSDFCLGCA
Rat APCSSGSSWSADLDKCMDCASCPARPHSDFCLGCA
Mac APCSHGSSWSADLDKCMDCASCRARPHSDFCLGCS
Pig TPCSRGSSWSADLDKCMDCASCPARPHSDFCLGCA
Mouse SPCSSGSSWSADLDKCMDCASCPARPHSDFCLGCA
Dog TPCPRGSSWSADLDKCMDCASCRARPHSDFCLGCT

Fig. 1

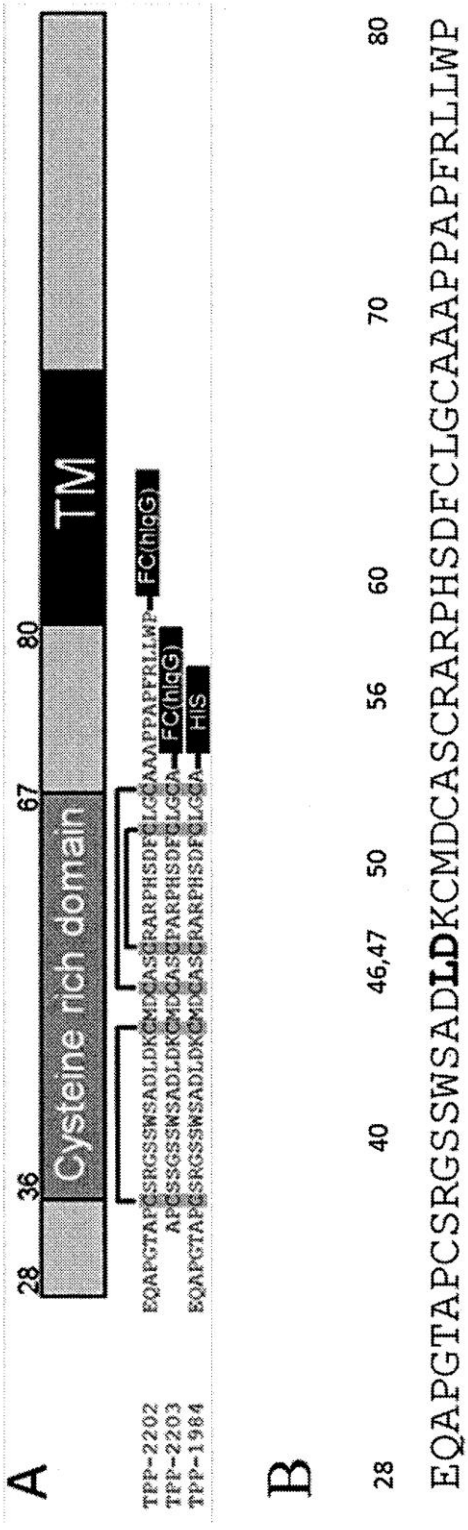

A
28
36
67
80
Cysteine rich domain
TM
TPP-2202
TPP-2203
TPP-1984
FC(hIgG)
FC(hIgG)
HIS
B
28
40
46,47
50
56
60
70
80
EQAPGTAPCSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAAPPAPFRLLWP

Fig. 2

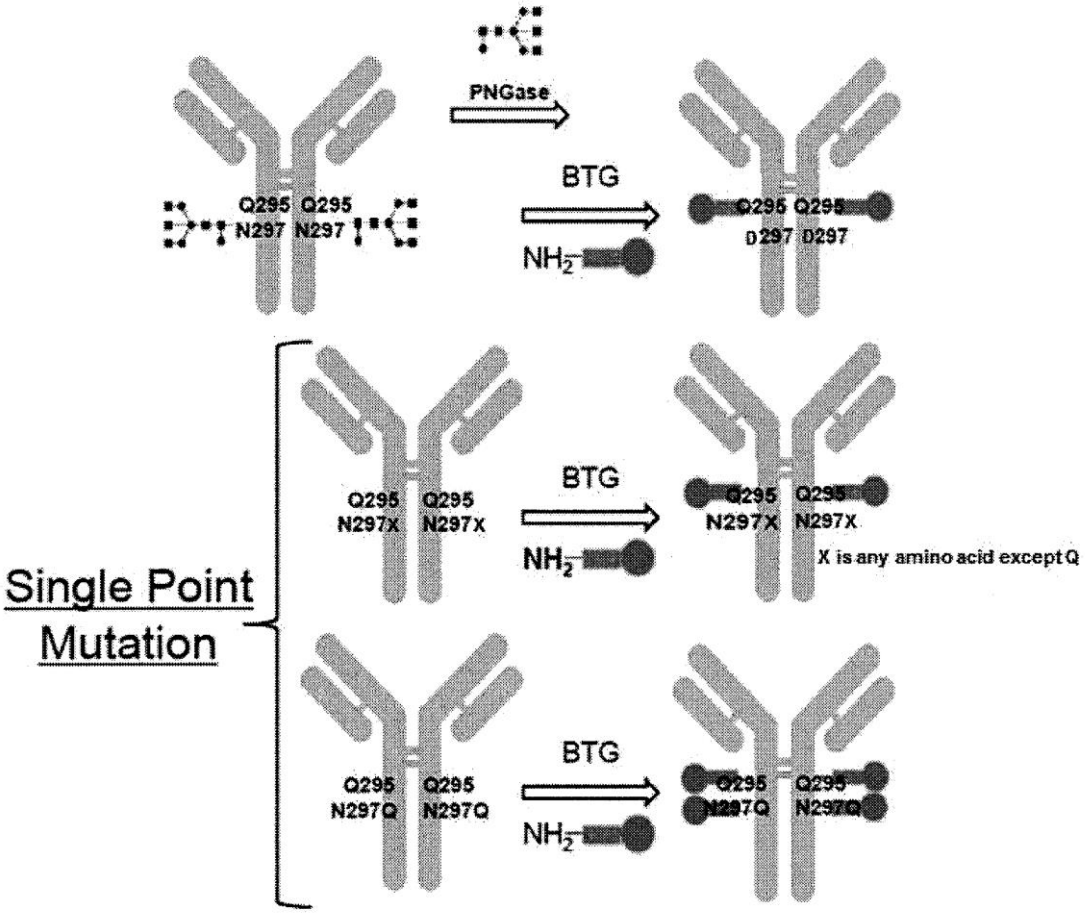

PNGase
BTG
NH2
Q295 Q295
N297 N297
Q295 Q295
D297 D297
Single Point
Mutation
Q295 Q295
N297X N297X
Q295 Q295
N297X N297X
X is any amino acid except Q
Q295 Q295
N297Q N297Q
Q295 Q295
N297Q N297Q

Fig. 3

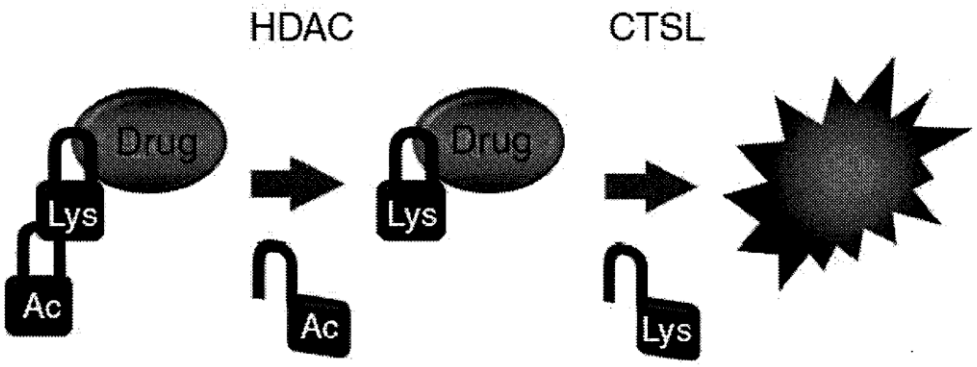


Fig. 4