

MSH3

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:200 - 1:1000 IHC 1:10 - 1:50

Calculated MW: 127kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human MSH3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

e

Synonym:

DUP; MRP1;

Catalog #: A2765

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4437

Isotype: IgG

Swiss Prot: O43422

Purity: Affinity purification

For research use only.

Background:

The protein encoded by this gene forms a heterodimer with MSH2 to form MutS beta, part of the post-replicative DNA mismatch repair system. MutS beta initiates mismatch repair by binding to a mismatch and then forming a complex with MutL alpha heterodimer. This gene contains a polymorphic 9 bp tandem repeat sequence in the first exon. The repeat is present 6 times in the reference genome sequence and 3-7 repeats have been reported. Defects in this gene are a cause of susceptibility to endometrial cancer.

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