

## MSH3

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**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:**

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**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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