

## Rabbit anti-Human MSH3 Polyclonal Antibody | anti-MSH3 antibody

MSH3 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA295298 | Rabbit | Human      | Immunohistochemistry, Western Blot |

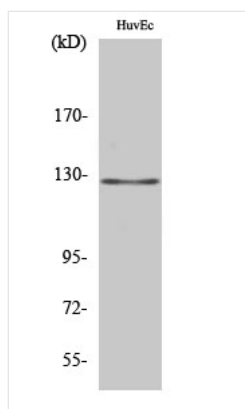
### PRODUCT SYNONYMS

MSH3; Polyclonal Antibody; MSH3 Polyclonal Antibody; DUC1; DUG; DNA mismatch repair protein Msh3; hMSH3; Divergent upstream protein; DUP; Mismatch repair protein 1; MRP1; anti-MSH3 antibody

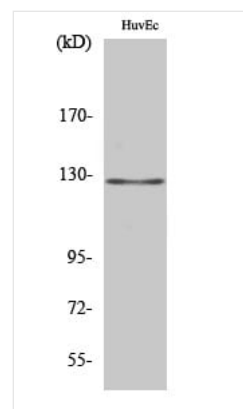
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-MSH3 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.  
Not yet tested in other applications.


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.  
Not yet tested in other applications.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-MSH3 antibody

Component of the post-replicative DNA mismatch repair system (MMR). Heterodimerizes with MSH2 to form MutS beta which binds to DNA mismatches thereby initiating DNA repair. When bound, the MutS beta heterodimer bends the DNA helix and shields approximately 20 base pairs. MutS beta recognizes large insertion- deletion loops (IDL) up to 13 nucleotides long. After mismatch binding, forms a ternary complex with the MutL alpha heterodimer, which is thought to be responsible for directing the downstream MMR events, including strand discrimination, excision, and resynthesis.

### NCBI AND UNIPROT INFORMATION

|           |           |
|-----------|-----------|
| NCBI GI # | 284813531 |
|-----------|-----------|

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 4437                                                                                           |
| NCBI Accession #                 | NP_002430.3                                                                                    |
| NCBI GenBank Nucleotide #        | NM_002439.4                                                                                    |
| UniProt Accession #              | P20585; Q6PJT5; Q86UQ6; Q92867; A1L482; A6NMM6                                                 |
| Molecular Weight                 | 127,412 Da                                                                                     |
| NCBI Official Full Name          | DNA mismatch repair protein Msh3                                                               |
| NCBI Official Synonym Full Names | mutS homolog 3 (E. coli)                                                                       |
| NCBI Official Symbol             | MSH3                                                                                           |
| NCBI Official Synonym Symbols    | DUP; MRP1                                                                                      |
| NCBI Protein Information         | DNA mismatch repair protein Msh3; hMSH3; mismatch repair protein 1; divergent upstream protein |
| UniProt Protein Name             | DNA mismatch repair protein Msh3                                                               |
| UniProt Gene Name                | <b>MSH3</b>                                                                                    |
| UniProt Synonym Gene Names       | DUC1; DUG; hMSH3; DUP; MRP1                                                                    |
| UniProt Entry Name               | MSH3_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/msh3-antibody-immunohistochemistry-western-blot-elisa/295298>