

MSH3 Antibody (aa51-100)
Rabbit Polyclonal Antibody
Catalog # ALS15800**Specification**

MSH3 Antibody (aa51-100) - Product Information

Application	IHC, WB
Primary Accession	P20585
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	127kDa KDa

MSH3 Antibody (aa51-100) - Additional Information**Gene ID** 4437**Other Names**

DNA mismatch repair protein Msh3, hMSH3, Divergent upstream protein, DUP, Mismatch repair protein 1, MRP1, MSH3, DUC1, DUG

Target/Specificity

MSH3 Antibody detects endogenous levels of total MSH3 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

MSH3 Antibody (aa51-100) is for research use only and not for use in diagnostic or therapeutic procedures.

MSH3 Antibody (aa51-100) - Protein Information**Name** MSH3**Synonyms** DUC1, DUG**Function**

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.

Volume

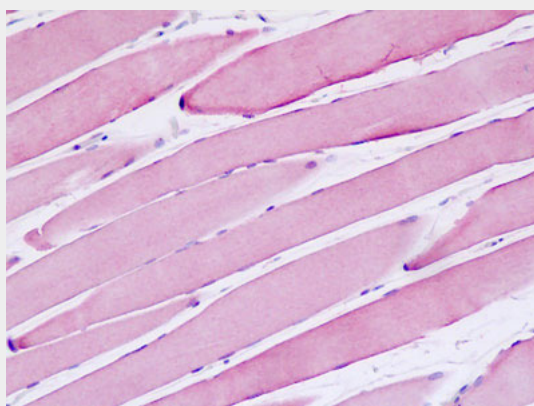
50 µl

MSH3 Antibody (aa51-100) - Protocols

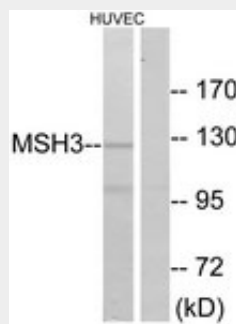
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MSH3 Antibody (aa51-100) - Images



Anti-MRP1 / MSH3 antibody IHC staining of human skeletal muscle.



Western blot of extracts from HUVEC cells, using MSH3 Antibody.

MSH3 Antibody (aa51-100) - Background

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.

MSH3 Antibody (aa51-100) - References

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Acharya S.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:13629-13634(1996).
Shimada T.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Schmutz J.,et al.Nature 431:268-274(2004).
Schmutte C.,et al.J. Biol. Chem. 276:33011-33018(2001).