

Rabbit MSH6 Polyclonal Antibody | anti-MSH6 antibody

MSH6 Antibody

CATALOG # AAA166945	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MSH6; Polyclonal Antibody; MSH6 Antibody; GTBP; HNPCC5; HSAP; anti-MSH6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	1190
Applicable Applications for anti-MSH6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human MSH6
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1242 / sc-1243 / sc-26894 / sc-10798 / sc-25835
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



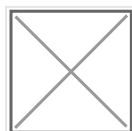
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using MSH6 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using MSH6 antibody at dilution of 1:100 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MSH6 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MSH6 antibody	The DNA mismatch repair system (MMR) repairs post-replication DNA, inhibits recombination between nonidentical DNA sequences, and induces both checkpoint and apoptotic responses following certain types of DNA damage (1). MSH2 (MutS homologue 2) forms the hMutS-alpha dimer with MSH6 and is an essential component of the mismatch repair process. hMutS-alpha is part of the BRCA1-associated surveillance complex (BASC), a complex that also contains BRCA1, MLH1, ATM, BLM, PMS2 proteins, and the Rad50-Mre11-NBS1 complex (2). Mutations in MSH6 and other MMR proteins have been found in a large proportion of hereditary nonpolyposis colorectal cancer (Lynch Syndrome), the most common form of inherited colorectal cancer in the Western world (3). Mutations in MSH6 have been shown to occur in glioblastoma in response to temozolomide therapy and to promote temozolomide resistance (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24664545
NCBI GeneID	39654
NCBI Accession #	NP_648755.1
NCBI GenBank Nucleotide #	NM_140498.2
Molecular Weight	133,136 Da
NCBI Official Full Name	Msh6
NCBI Official Symbol	Msh6
NCBI Official Synonym Symbols	CG7003; DmelCG7003
NCBI Protein Information	CG7003 gene product from transcript CG7003-RA; CG7003-PA; Msh6; Msh6-PA
UniProt Protein Name	Probable DNA mismatch repair protein Msh6
UniProt Gene Name	Msh6
UniProt Entry Name	MSH6_DROME

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/msh6-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/166945>