

Rabbit anti-Human, Mouse MSH6 Monoclonal Antibody | anti-MSH6 antibody

MSH6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312494	Rabbit	Human, Mouse	Immunoprecipitation, Immunohistochemistry, Western Blot

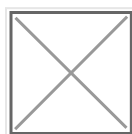
PRODUCT SYNONYMS

MSH6; Monoclonal Antibody; MSH6 Antibody; DNA mismatch repair protein Msh6 antibody; G/T mismatch binding protein antibody; G/T mismatch-binding protein antibody; GTBP antibody; GTMBP antibody; hMSH6 antibody; HNPCC 5 antibody; HNPCC5 antibody; HSAP antibody; MSH 6 antibody; MSH6 antibody; MSH6_HUMAN antibody; mutS (E. coli) homolog 6 antibody; MutS alpha 160 kDa subunit antibody; MutS homolog 6 (E. coli) antibody; mutS homolog 6 antibody; MutS-alpha 160 kDa subunit antibody; p160 antibody; Sperm associated protein antibody; anti-MSH6 antibody

PRODUCT SPECIFICATIONS

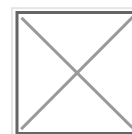
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	JA84-26
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MSH6 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



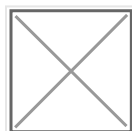
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-MSH6 antibody. Counter stained with hematoxylin.



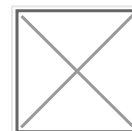
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-MSH6 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-MSH6 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of MSH6 on Hela cell lysates using anti-MSH6 at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-MSH6 antibody	Component of the post-replicative DNA mismatch repair system (MMR). Heterodimerizes with MSH2 to form MutS alpha, which binds to DNA mismatches thereby initiating DNA repair. When bound, MutS alpha bends the DNA helix and shields approximately 20 base pairs, and recognizes single base mismatches and dinucleotide insertion-deletion loops (IDL) in the DNA. 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. ATP binding and hydrolysis play a pivotal role in mismatch repair functions. The ATPase activity associated with MutS alpha regulates binding similar to a molecular switch: mismatched DNA provokes ADP-->ATP exchange, resulting in a discernible conformational transition that converts MutS alpha into a sliding clamp capable of hydrolysis-independent diffusion along the DNA backbone. This transition is crucial for mismatch repair. MutS alpha may also play a role in DNA homologous recombination repair.
Product Categories/Family for anti-MSH6 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504191
NCBI GeneID	2956
NCBI Accession #	NP_000170.1
NCBI GenBank Nucleotide #	NM_000179.2
UniProt Accession #	P52701; O43706; O43917; Q8TCX4; Q9BTB5
Molecular Weight	1360
NCBI Official Full Name	DNA mismatch repair protein Msh6 isoform 1
NCBI Official Synonym Full Names	mutS homolog 6 (E. coli)
NCBI Official Symbol	MSH6
NCBI Official Synonym Symbols	GTBP; HSAP; p160; GTMBP; HNPCC5
NCBI Protein Information	DNA mismatch repair protein Msh6; sperm-associated protein; mutS-alpha 160 kDa subunit; G/T mismatch-binding protein
UniProt Protein Name	DNA mismatch repair protein Msh6
UniProt Gene Name	MSH6
UniProt Synonym Gene Names	GTBP; hMSH6; GTBP; GTMBP; p160
UniProt Entry Name	MSH6_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/msh6-antibody-clone-ja84-26-immunoprecipitation-immunohistochemistry-western-blot-elisa/312494>