

Rabbit MSH6 Polyclonal Antibody | anti-MSH6 antibody

MSH6 Polyclonal Antibody

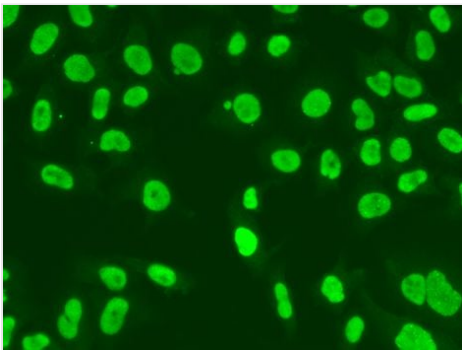
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10686	Rabbit	Human, Mouse, Monkey	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

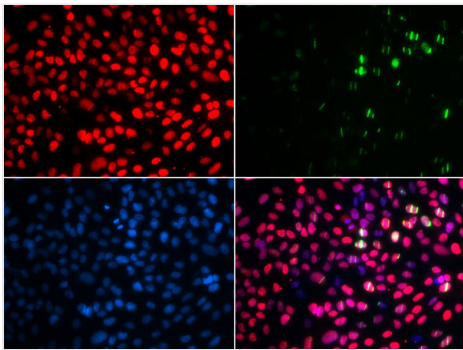
MSH6; Polyclonal Antibody; MSH6 Polyclonal Antibody; GTBP; HNPCC5; HSAP; anti-MSH6 antibody

PRODUCT SPECIFICATIONS

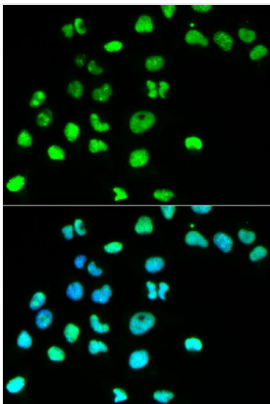
Host	Rabbit
Reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1360
Applicable Applications for anti-MSH6 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:20 - 1:100
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human MSH6
Calculated Molecular Weight	153kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



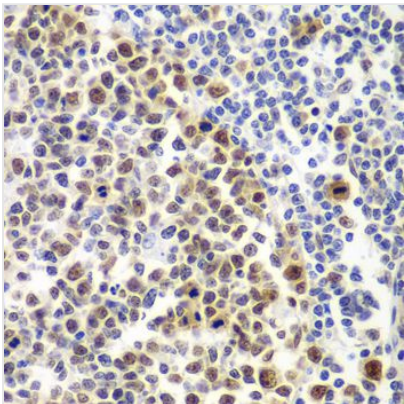
IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells using MSH6 antibody.



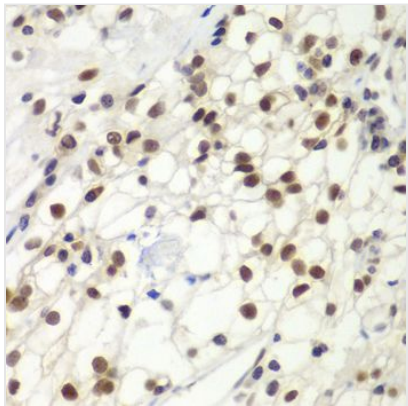
IF (Immunofluorescence)
Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using MSH6 antibody. Green:GFP-RNF168 fusion protein expression for DNA damage marker.Blue: DAPI for nuclear staining.RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



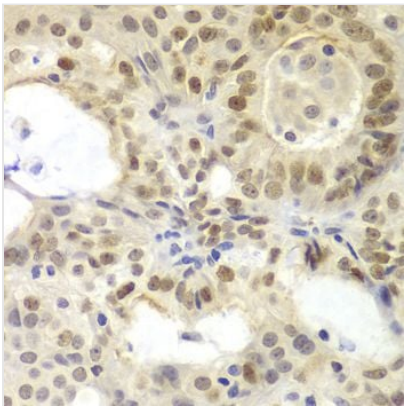
IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using MSH6 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human amygdalitis using MSH6 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney cancer using MSH6 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human oophoroma using MSH6 antibody at dilution of 1:100 (40x lens).

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).
Product Categories/Family for anti-MSH6 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	68067672
NCBI GeneID	2956
UniProt Accession #	P52701; O43706; O43917; Q8TCX4; Q9BTB5; B4DF41; B4E3I4; F5H2F9
Molecular Weight	1360
NCBI Official Full Name	DNA mismatch repair protein Msh6
NCBI Official Synonym Full Names	mutS homolog 6
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/polyclonal/msh6-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10686>