

Rabbit MSH6 Polyclonal Antibody | anti-MSH6 antibody

MSH6 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28426	Rabbit	Human, Mouse, Rat, MK	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

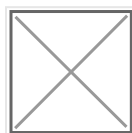
PRODUCT SYNONYMS

MSH6; Polyclonal Antibody; MSH6 Rabbit pAb; GTBP; GTMBP; HNPCC5; HSAP; p160; mutS homolog 6; anti-MSH6 antibody

PRODUCT SPECIFICATIONS

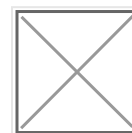
Host	Rabbit
Reactivity	Human, Mouse, Rat, MK
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence	KQRARELGLG RHENAIKYLQ QDYEQLRVRC LQSGTLFRDE AFPPVPQSLG YKDLGPNSSK TYGIKWKRPTELLSNPQFIV DGATRTDICQ GALGDCWLLA AIASLTNDT LLHRVVPHGQ SFQNGYAGIF HFQLWQFGEWVDVVVDDLLP IKDGKLVFVH SAEGNEFWSA LLEKAYAKVN GSYEALSGGS TSEGFEDFTG GVTEWYELRKAPSDLYQIIL KALERGSLLG CSIDISSVLD MEAITFKKLV KGHAYSVTGA KQVNYRGQVV SLIRMRNPWGEVEWTGAUSD SSSEWNNVDP YERDQLRVKM E
Applicable Applications for anti-MSH6 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF/ICC: 1:50-1:200
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MSH6 (NP_000170.1).
Cellular Location	Chromosome, Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using MSH6 Rabbit pAb at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of A-549 cells using MSH6 Rabbit pAb at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



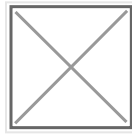
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using MSH6 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



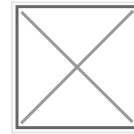
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using MSH6 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using MSH6 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MSH6 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-MSH6 antibody	This gene encodes a member of the DNA mismatch repair MutS family. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine nucleotide binding motif, exists in MutS homologs. The encoded protein heterodimerizes with MSH2 to form a mismatch recognition complex that functions as a bidirectional molecular switch that exchanges ADP and ATP as DNA mismatches are bound and dissociated. Mutations in this gene may be associated with hereditary nonpolyposis colon cancer, colorectal cancer, and endometrial cancer. Transcripts variants encoding different isoforms have been described.
Product Categories/Family for anti-MSH6 antibody	Epigenetics & Nuclear Signaling; DNA Damage & Repair; Cell Biology & Developmental Biology; Apoptosis; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119594774
NCBI GeneID	823
UniProt Accession #	P07384; Q2TTR0; Q6DHSV4
Molecular Weight	81,890 Da
NCBI Official Full Name	calpain 1, (mu/l) large subunit, isoform CRA_c
NCBI Official Synonym Full Names	calpain 1, (mu/l) large subunit
NCBI Official Symbol	CAPN1
NCBI Official Synonym Symbols	CANP; muCL; CANP1; CANPL1; muCANP
NCBI Protein Information	calpain-1 catalytic subunit; CANP 1; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain, large polypeptide L1; calcium-activated neutral proteinase 1; cell proliferation-inducing protein 30; cell proliferation-inducing gene 30 protein
UniProt Protein Name	Calpain-1 catalytic subunit
UniProt Gene Name	CAPN1
UniProt Synonym Gene Names	CANPL1; CANP 1; muCANP
UniProt Entry Name	CAN1_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.

