

anti-Human MSH6 Antibody | anti-MSH6 antibody

Anti-MSH6 [ABM58060-20A2-PU]

CATALOG # AAA72389	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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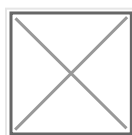
PRODUCT SYNONYMS

MSH6; Anti-MSH6 [ABM58060-20A2-PU]; hMSH6; p160; GTBP; GTMBP; DNA mismatch repair protein Msh6; G/T mismatch-binding protein; MutS protein homolog 6; MutS-alpha 160 kDa subunitC; GMCC NO.17492; 44; anti-MSH6 antibody

PRODUCT SPECIFICATIONS

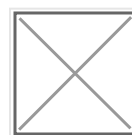
Reactivity	Human
Isotype	Mouse IgG2b kappa
Clone Number	ABM58060-20A2-PU
Specificity	This antibody binds human DNA mismatch repair protein MSH6. MSH6 forms a heterodimer with MSH2 to make the human MutSalpha mismatch repair complex and initiates DNA repair. The DNA mismatch repair system (MMR) is composed of enzyme molecules that specifically repair DNA base mismatches. Defects in expression of MSH6 are often associated with hereditary non-polypatopathic colorectal cancer (HNPCC).
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MSH6 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with anti-MSH6 antibody ABM58060-20A2-PU . Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of ABM58060-20A2-PU (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom,, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-MSH6 antibody ABM58060-20A2-PU . Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of ABM58060-20A2-PU at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-MSH6 antibody	The original antibody was generated by immunizing BALB/c mice with recombinant human MSH6 protein.
Product Categories/Family for anti-MSH6 antibody	DNA ; DNA repair ; DNA mismatch repair protein ; cancer

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-antibody/msh6/72389>