

Rabbit anti-Human MSH2 Polyclonal Antibody | anti-MSH2 antibody

MSH2 Antibody (Center)

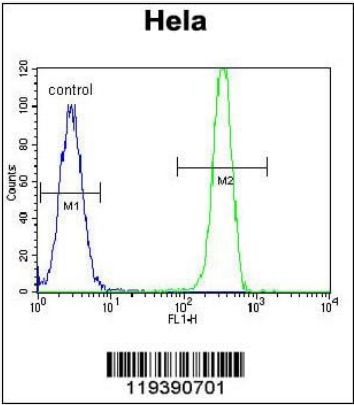
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288447	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

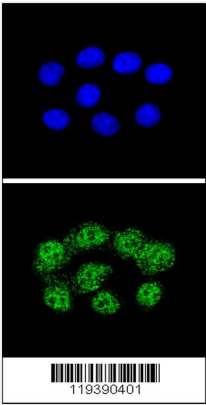
MSH2; Polyclonal Antibody; MSH2 Antibody (Center); DNA mismatch repair protein Msh2; hMSH2; MutS protein homolog 2; anti-MSH2 antibody

PRODUCT SPECIFICATIONS

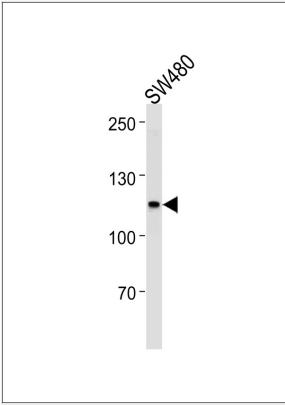
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MSH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 637-665 amino acids from the Central region of human MSH2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	637-665
Sequence Length	868
Applicable Applications for anti-MSH2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MSH2 Antibody (Center) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of MSH2 Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
MSH2 Antibody (Center) western blot analysis in SW480, U251 cell line lysates (35ug/lane). This demonstrates the MSH2 antibody detected the MSH2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MSH2 antibody	MSH2 was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. [provided by RefSeq].
Product Categories/Family for anti-MSH2 antibody	Crown Antibodies; Cancer
References	Kim, M., et al. Cancer Sci. 101(11):2436-2442(2010) Mangoni, M., et al. Int. J. Radiat. Oncol. Biol. Phys. (2010) In press : Srivastava, K., et al. Cancer 116(13):3160-3169(2010) van der Post, R.S., et al. J. Med. Genet. 47(7):464-470(2010) Langner, E., et al. J. Genet. 89(1):101-104(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557761
NCBI GeneID	4436
NCBI Accession #	NP_000242.1; NP_001245210.1

NCBI GenBank Nucleotide #	NM_000251.2
UniProt Accession #	P43246; O75488; B4E2Z2
Molecular Weight	104743
NCBI Official Full Name	DNA mismatch repair protein Msh2 isoform 1
NCBI Official Synonym Full Names	mutS homolog 2
NCBI Official Symbol	MSH2
NCBI Official Synonym Symbols	FCC1; COCA1; HNPCC; LCFS2; HNPCC1
NCBI Protein Information	DNA mismatch repair protein Msh2
UniProt Protein Name	DNA mismatch repair protein Msh2
UniProt Gene Name	MSH2
UniProt Synonym Gene Names	hMSH2
UniProt Entry Name	MSH2_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://www.aaabiotech.com/polyclonal/msh2-antibody-flow-cytometry-western-blot-immunofluorescence-elisa/288447>