

Rabbit MSH2 Polyclonal Antibody | anti-MSH2 antibody

MSH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304045	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

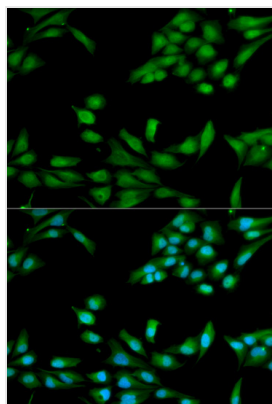
PRODUCT SYNONYMS

MSH2; Polyclonal Antibody; MSH2 Antibody; COCA1; FCC1; HNPCC; HNPCC1; anti-MSH2 antibody

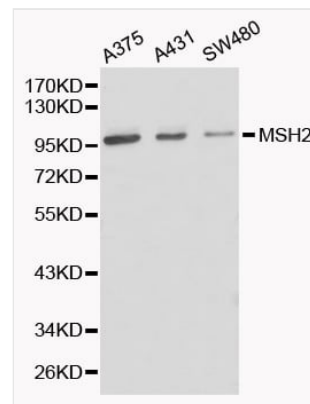
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total MSH2 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	934
Applicable Applications for anti-MSH2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human MSH2.
Target Name	MSH2
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using MSH2 antibody. Blue: DAPI for nuclear staining.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MSH2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MSH2 antibody	The DNA mismatch repair system (MMR) repairs post-replication DNA, inhibits recombination between non-identical DNA sequences and induces both checkpoint and apoptotic responses following certain types of DNA damage (1). MSH2 (MutS homologue 2) forms the hMutS-a dimer with MSH6 and is an essential component of the mismatch repair process. hMutS-a 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 MSH2 have been found in a large proportion of hereditary non-polyposis colorectal cancer (Lynch Syndrome), the most common form of inherited colorectal cancer in the Western world (3). Mutations have also been associated with other sporadic tumors.
Product Categories/Family for anti-MSH2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557761
NCBI GeneID	4436
NCBI Accession #	NP_000242.1
NCBI GenBank Nucleotide #	NM_000251.2
UniProt Accession #	P43246; O75488; B4E2Z2
Molecular Weight	97,323 Da
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://stage.aaabiotech.com/polyclonal/msh2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304045>