

Rabbit MSH2 Polyclonal Antibody | anti-MSH2 antibody

MSH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA168754	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

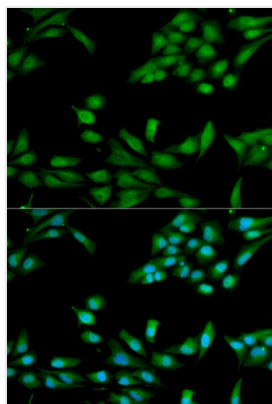
PRODUCT SYNONYMS

MSH2; Polyclonal Antibody; MSH2 Antibody; COCA1; FCC1; HNPCC; HNPCC1; LCFS2; anti-MSH2 antibody

PRODUCT SPECIFICATIONS

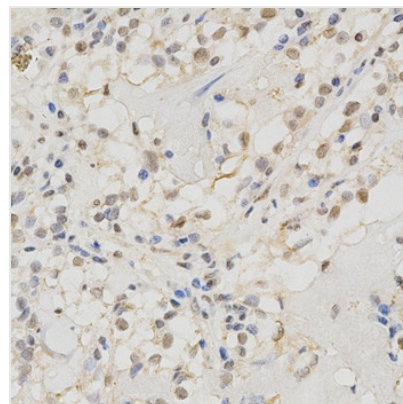
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	982
Applicable Applications for anti-MSH2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human MSH2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18388 / sc-18389 / sc-494 / sc-22771
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



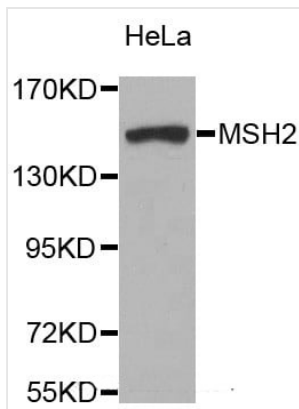
IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney cancer using MSH2 antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

Western blot analysis of extracts of HeLa cell line, 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-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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4151103
UniProt Accession #	O74773; O42950
Molecular Weight	109,739 Da
NCBI Official Full Name	Msh2
UniProt Protein Name	DNA mismatch repair protein msh2
UniProt Gene Name	msh2
UniProt Entry Name	MSH2_SCHPO

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-immunofluorescence-immunohistochemistry-western-blot-elisa/168754>