

Rabbit anti-Human PMS2 Polyclonal Antibody | anti-PMS2 antibody

PMS2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281145	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Western Blot

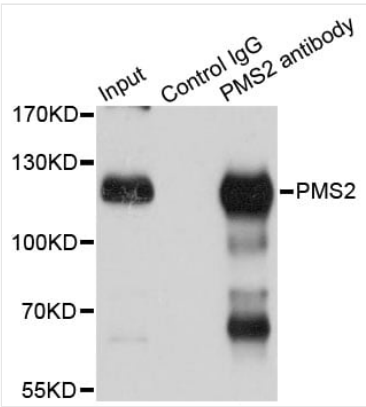
PRODUCT SYNONYMS

PMS2; Polyclonal Antibody; PMS2 Polyclonal Antibody; HNPCC4; MLH4; PMS2CL; PMSL2; anti-PMS2 antibody

PRODUCT SPECIFICATIONS

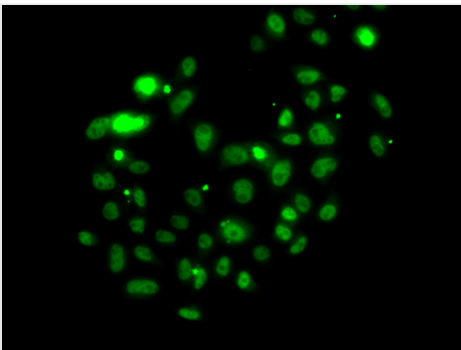
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	ADLEKPMVEK QDQSPSLRTG EEKDVSI SR LREAFSLRHT TENKPHSPKT PEPRRSPLGQ KRGMLSSSTS GAISDKGVLR PQKEAVSSSH GPSDPTDRAE VEKDSGHGST SVDSEGF SIP DTGSHCSSEY AASSPGDRGS QEHVDSQEKA PKTDDSFSDV DCHSNQEDTG CKFRVLPQPT NLATPNTKRF KKEEILSSSD ICQKLVNTQD MSASQVDVAV KINKKVVPLD FSMSSLAKRI KQLHHEAQQS EGEQN
Sequence Length	862
Applicable Applications for anti-PMS2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human PMS2
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES

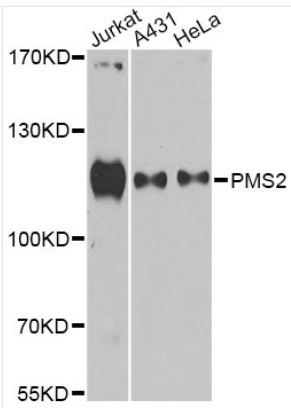


IP (Immunoprecipitation)

Immunoprecipitation analysis of 150ug extracts of Jurkat cells using 3ug PMS2 antibody. Western blot was performed from the immunoprecipitate using PMS2 antibody at a dilution of 1:500.



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using PMS2 antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PMS2 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: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PMS2 antibody	The protein encoded by this gene is a key component of the mismatch repair system that functions to correct DNA mismatches and small insertions and deletions that can occur during DNA replication and homologous recombination. This protein forms heterodimers with the gene product of the mutL homolog 1 (MLH1) gene to form the MutL-alpha heterodimer. The MutL-alpha heterodimer possesses an endonucleolytic activity that is activated following recognition of mismatches and insertion/deletion loops by the MutS-alpha and MutS-beta heterodimers, and is necessary for removal of the mismatched DNA. There is a DQHA(X)2E(X)4E motif found at the C-terminus of the protein encoded by this gene that forms part of the active site of the nuclease. Mutations in this gene have been associated with hereditary nonpolyposis colorectal cancer (HNPCC; also known as Lynch syndrome) and Turcot syndrome.
Product Categories/Family for anti-PMS2 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1015181836
NCBI GeneID	5395
NCBI Accession #	NP_000526.2

NCBI GenBank Nucleotide #	NM_000535.6
UniProt Accession #	P54278 ; Q52LH6 ; Q5FBW9 ; Q5FBX1 ; Q5FBX2 ; Q75MR2 ; B2R610
Molecular Weight	Calculated: 20kDa; 51kDa; 62kDa; 95kDa Observed: 120kDa
NCBI Official Full Name	mismatch repair endonuclease PMS2 isoform a
NCBI Official Synonym Full Names	PMS1 homolog 2, mismatch repair system component
NCBI Official Symbol	PMS2
NCBI Official Synonym Symbols	MLH4; PMSL2; HNPCC4; PMS2CL
NCBI Protein Information	mismatch repair endonuclease PMS2
UniProt Protein Name	Mismatch repair endonuclease PMS2
UniProt Gene Name	PMS2

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/pms2-antibody-immunoprecipitation-immunofluorescence-western-blot-elisa/281145>