

MSH2 recombinant antibody

Rabbit anti-MSH2 Recombinant Monoclonal Antibody [BLR116H]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213587	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

MSH2; Monoclonal Recombinant Antibody; Rabbit anti-MSH2 Recombinant Monoclonal Antibody [BLR116H]; hMSH2; MutS protein homolog 2; mutS homolog 2; colon cancer; nonpolyposis type 1; LCFS2; HNPCC; FCC1; DNA mismatch repair protein Msh2; COCA1; HNPCC1; MSH2 recombinant antibody

PRODUCT SPECIFICATIONS

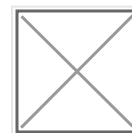
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR116H
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	250ug/ml (varies by lot)
Applicable Applications for MSH2 recombinant antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 625 and 675
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human MSH2 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, K-562, RKO, and U2OS cells prepared using NETN lysis buffer. Antibody: Rabbit anti-MSH2 recombinant monoclonal antibody (AAA213587 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



ICC (Immunocytochemistry)

Detection of human MSH2 by immunocytochemistry. Sample: FFPE section of OVCAR-8 cells. Antibody: Rabbit anti-MSH2 recombinant monoclonal antibody (AAA213587 lot 3) used for IP at 20 ul/mg lysate. MSH2 was also immunoprecipitated by a second antibody against a different epitope of MSH2 . For blotting immunoprecipitated MSH2, AAA213587 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for MSH2 recombinant antibody	MSH2 is an integral component of the DNA mismatch repair (MMR) system that functions to recognize aberrant structures and signals for the repair of single base mismatches or loops in replicated DNA. MSH2 has also been demonstrated to function as an anti-recombinase and may play a role in negatively regulating DNA repair. MSH2 can heterodimerize with MSH3 or MSH6. Mutations in MSH2 are linked to hereditary nonpolyposis colon cancer (HNPCC).
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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/monoclonal/msh2-recombinant-antibody-clone-blr116h-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/213587>