

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

Rabbit anti-MSH2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210957	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

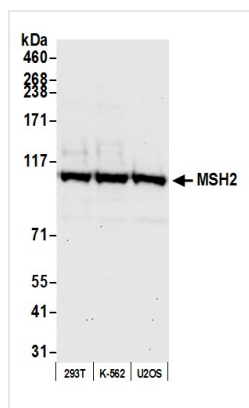
PRODUCT SYNONYMS

MSH2; Polyclonal Antibody; Rabbit anti-MSH2 Antibody; Affinity Purified; hMSH2; MutS protein homolog 2; mutS homolog 2; colon cancer; nonpolyposis type 1; LCFS2; HNPCC; FCC1; DNA mismatch repair protein Msh2; COCA1; HNPCC1; anti-MSH2 antibody

PRODUCT SPECIFICATIONS

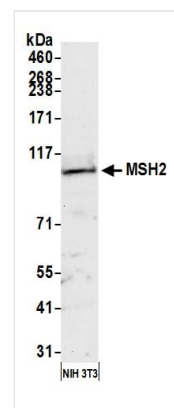
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MSH2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



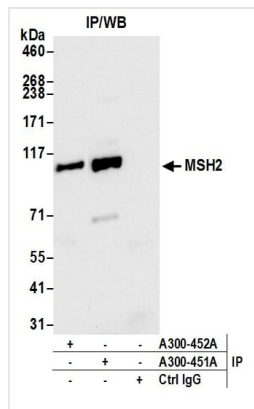
WB (Western Blot)

Detection of human MSH2 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, K-562, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-MSH2 antibody AAA210957 (lot AAA210957-3) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



WB (Western Blot)

Detection of mouse MSH2 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-MSH2 antibody AAA210957 (lot AAA210957-3) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)

Detection of human MSH2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified Rabbit anti-MSH2 antibody AAA210957 (lot AAA210957-3) used for IP at 6 ug per reaction. MSH2 was also immunoprecipitated by rabbit anti-MSH2 antibody For blotting immunoprecipitated MSH2, AAA210957 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-MSH2 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).
Product Categories/Family for anti-MSH2 antibody	Primary Antibodies

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-immunoprecipitation-western-blot-elisa/210957>