

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

Anti-MSH2 Antibody, Rabbit Polyclonal

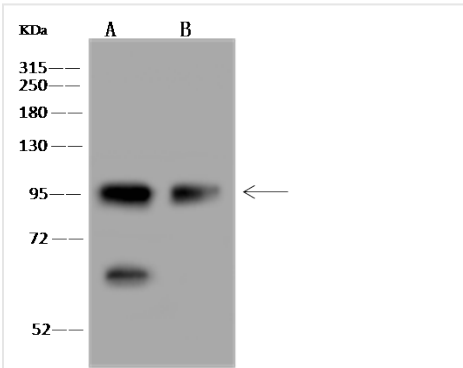
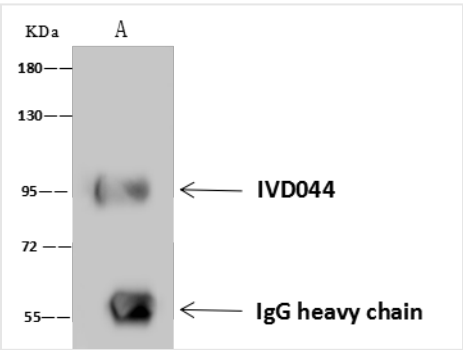
CATALOG # AAA257005	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

MSH2; Polyclonal Antibody; Anti-MSH2 Antibody; Rabbit Polyclonal; MSH2 Antibody; Rabbit PAb; Antigen Affinity Purified; mutS homolog 2; Anti-COCA1 Antibody; Anti-FCC1 Antibody; Anti-HNPCC Antibody; Anti-HNPCC1 Antibody; Anti-LCFS2 Antibody; anti-MSH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MSH2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MSH2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human MSH2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MSH2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

IVD044 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate, 4 uL anti-IVD044 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-IVD044 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 95 kDa. Observed band size: 95 kDa.

WB (Western Blot)

Anti-MSH2 rabbit polyclonal antibody at 1:500 dilution. Lane A: Hela Whole Cell Lysate. Lane B: A549 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 105 kDa. Observed band size: 95 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-MSH2 antibody	MSH2 is a key DNA mismatch repair protein, which plays an important role in genomic stability. In addition to its DNA repair function, MSH2 serves as a sensor for DNA base analogs-provoked DNA replication errors and binds to various DNA damage-induced adducts to trigger cell cycle arrest or apoptosis. Loss or depletion of MSH2 from cells renders resistance to certain DNA-damaging agents. Therefore, the level of MSH2 determines the DNA damage response. MSH2 is a central component of the mismatch repair pathway that targets mismatches arising during DNA replication, homologous recombination (HR), and in response to genotoxic stresses. MSH2 rearrangements are involved in approximately 10% of hereditary non-polyposis colorectal cancer (HNPCC) families, and in most of the rearrangements, exon 1 is deleted. Loss of human MSH2 (hMSH2) protein might be involved in the multistep pathogenesis of hematological malignancies associated with genetic instability.
Product Categories/Family for anti-MSH2 antibody	Tumor Suppressors

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.