

Mouse anti-Human MSH2 Monoclonal Antibody | anti-MSH2 antibody

Anti-MSH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60808	Mouse	Human	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

MSH2; Monoclonal Antibody; Anti-MSH2 Antibody; anti-MSH2 antibody

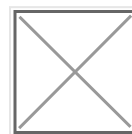
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Purity/Purification	Purified by protein G affinity chromatography
Form/Format	Liquid
Concentration	1ug/ul (varies by lot)
Sequence Length	957
Applicable Applications for anti-MSH2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Ni-NTA purified recombinant human MSH2 expressed in E Coli strain BL21 (DE3).
Storage Buffer	PBS, pH 7.4 with 0.05% sodium azide.
Preparation and Storage	This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MSH2 antibody

MSH2 is a 100 kDa nuclear antigen and encodes a protein of 934 amino acids. The MSH2 gene is one of 4 known genes encoding proteins involved in the repair of mismatch nucleotides following DNA replication or repair. Mutations in the MSH2 gene contribute to the development of sporadic colorectal carcinoma. MSHS mutations are responsible for 50% of inherited non-polyposis colorectal (HNPCC). The repair of mismatch DNA is essential to maintaining the integrity of genetic information over time. An alteration of microsatellite repeats is the result of slippage owing to strand misalignment during DNA replication and is referred to as microsatellite instability (MSI). These defects in DNA repair pathways have been related to human carcinogenesis. MSH-2 is involved in the initial cognition of mismatch nucleotides during the replication mismatch repair process.

References

References 1.Papadopoulos, N. 1994. Science 263: 1625-1629. 2.Palombo, F. 1994. Nature 367:417-418.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1102845313
Molecular Weight	107,754 Da
NCBI Official Full Name	MSH2
UniProt Protein Name	MSH2
UniProt Gene Name	MSH2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/msh2-antibody-immunohistochemistry-western-blot-elisa/60808>