

Mouse MLH1 Monoclonal Antibody | anti-MLH1 antibody

MLH1 antibody

CATALOG # AAA225001	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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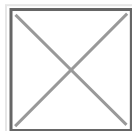
PRODUCT SYNONYMS

MLH1; Monoclonal Antibody; MLH1 antibody; Mouse monoclonal MLH1 antibody; Monoclonal MLH1 antibody; Anti-MLH1 antibody; Mutl Homolog 1 Colon Cancer Nonpolyposis Type 2 antibody; COCA2 antibody; FCC2 antibody; HNPCC antibody; HNPCC2 antibody; MGC5172 antibody; hMLH1 antibody antibody; MLH 1; MLH-1; MLH 1 antibody; MLH-1 antibody; anti-MLH1 antibody

PRODUCT SPECIFICATIONS

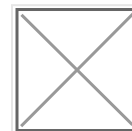
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4C9C7
Form/Format	Liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	34
Applicable Applications for anti-MLH1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	MLH1 antibody was raised in Mouse using a purified recombinant fragment of MLH1 (aa381-483) expressed in E Coli as the immunogen.
Cross-Reactivity	Human, Monkey
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



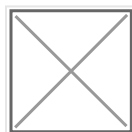
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human rectum cancer (left) and ovarian cancer (right) tissues, showing nuclear localization with DAB staining using MLH1 antibody.



WB (Western Blot)

Western Blot showing MLH1 antibody used against Hela (1), MCF-7 (2) and A549 (3), Jurkat (4), 2R75 (5) and COS (6) cell lysate.



IF (Immunofluorescence)

Confocal immunofluorescence analysis of Hela cells using MLH1 antibody (green), showing nuclear localization. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

ADDITIONAL INFORMATION

Related Product Information for anti-MLH1 antibody	MLH1 is a human homolog of the E Coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences found in hereditary nonpolyposis colon cancer (HNPCC). MLH1 is an integral part of the protein complex responsible for mismatch repair expressed in lymphocytes, heart, colon, breast, lung, spleen, testis, prostate, thyroid and gall bladder, and is methylated in several ovarian tumors.
Product Categories/Family for anti-MLH1 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	237930358
NCBI GeneID	4292
Molecular Weight	73,837 Da
NCBI Official Full Name	MLH1, partial
NCBI Official Synonym Full Names	mutL homolog 1
NCBI Official Symbol	MLH1
NCBI Official Synonym Symbols	FCC2; COCA2; HNPCC; hMLH1; HNPCC2
NCBI Protein Information	DNA mismatch repair protein Mlh1
UniProt Protein Name	DNA mismatch repair protein Mlh1
UniProt Gene Name	MLH1
UniProt Synonym Gene Names	COCA2

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/mlh1-antibody-clone-4c9c7-western-blot-immunohistochemistry-immunofluorescence-elisa/225001>