

Rabbit MLH1 Monoclonal Antibody | anti-MLH1 antibody

Recombinant MLH1 Monoclonal Antibody

CATALOG # AAA178866	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

MLH1; Monoclonal Antibody; Recombinant MLH1 Monoclonal Antibody; COCA 2; COCA2; DNA mismatch repair protein Mlh1; FCC 2; FCC2; hMLH 1; hMLH1; HNPCC 2; HNPCC; HNPCC2; MGC5172; MLH 1; MutL homolog 1 (E. coli); MutL homolog 1; MutL homolog 1 colon cancer nonpolyposis type 2; colon cancer; nonpolyposis type 2 (E. coli); MutL protein homolog 1; MutL; E. coli; homolog of; 1; anti-MLH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	R02-2E8
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-MLH1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human MLH1
Research Area	Cancer, Epigenetics and Nuclear Signaling
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of MLH1(green) in HeLa cells using MLH1 Rabbit mAb at dilution 1:200, and DAPI(blue)



WB (Western Blot)

Western blot detection of MLH1 in K562, C6, 3T3, HeLa cell lysates using MLH1 Rabbit mAb(1:1000 diluted). Predicted band size: 85kDa. Observed band size: 85kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MLH1 antibody	This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+phenotype) found in HNPCC. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described, but their full-length natures have not been determined.
Product Categories/Family for anti-MLH1 antibody	Antibodies ; Primary Antibodies ; Recombinant Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557757
NCBI GeneID	4292
NCBI Accession #	NP_000240.1
NCBI GenBank Nucleotide #	NM_000249.3
UniProt Accession #	P40692; B4DI13
Molecular Weight	84,601 Da
NCBI Official Full Name	DNA mismatch repair protein Mlh1 isoform 1
NCBI Official Synonym Full Names	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
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
UniProt Entry Name	MLH1_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/mlh1-antibody-clone-r02-2e8-immunofluorescence-western-blot-elisa/178866>