

Rabbit anti-Human MLH1 Polyclonal Antibody | anti-MLH1 antibody

MLH1 Antibody (Center)

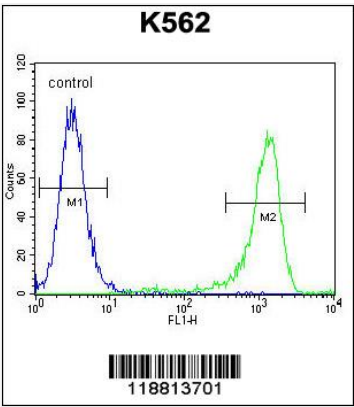
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284347	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

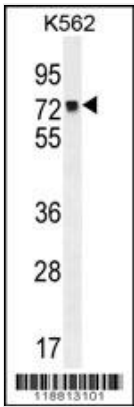
MLH1; Polyclonal Antibody; MLH1 Antibody (Center); DNA mismatch repair protein Mlh1; MutL protein homolog 1; COCA2; anti-MLH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MLH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 452-480 amino acids from the Central region of human MLH1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	452-480
Sequence Length	658
Applicable Applications for anti-MLH1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MLH1 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
MLH1 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the MLH1 antibody detected the MLH1 protein (arrow).

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 a 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	Cancer
References	Ling, Z.Q., et al. Cancer Lett. 297(2):244-251(2010) Qi, Y., et al. J. Biol. Chem. 285(43):33010-33017(2010) Borras, E., et al. Cancer Res. 70(19):7379-7391(2010) Mangoni, M., et al. Int. J. Radiat. Oncol. Biol. Phys. (2010) In press : Ho-Pun-Cheung, A., et al. Pharmacogenomics J. (2010) In press :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557757
NCBI GeneID	4292
NCBI Accession #	NP_000240.1; NP_001161089.1; NP_001161090.1; NP_001161091.1; NP_001245200.1; NP_001245202.1; NP_001245203.1
NCBI GenBank Nucleotide #	NM_000249.3
UniProt Accession #	P40692; B4DI13; B4DQ11; E9PCU2
Molecular Weight	84601
NCBI Official Full Name	DNA mismatch repair protein Mlh1 isoform 1
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
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.

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

Online datasheet: <https://www.aaabiotech.com/polyclonal/mlh1-antibody-flow-cytometry-western-blot-elisa/284347>