

Rabbit anti-Human MLM Polyclonal Antibody | anti-CDKN2A antibody

MLM Antibody (C-term)

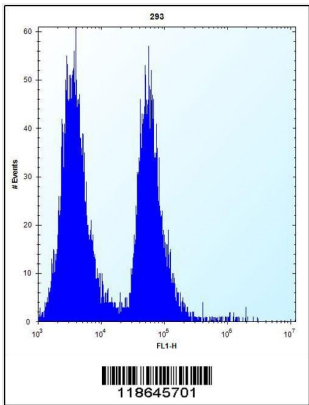
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286312	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

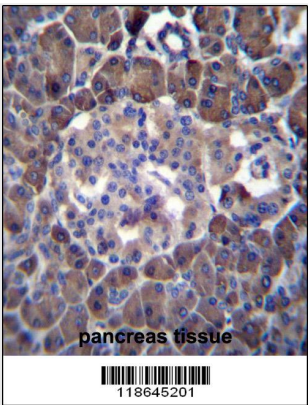
MLM; Polyclonal Antibody; MLM Antibody (C-term); Cyclin-dependent kinase inhibitor 2A; isoform 4; p14ARF; p19ARF; CDKN2A {ECO:0000312|EMBL:AAM779191}; CDKN2; anti-CDKN2A antibody

PRODUCT SPECIFICATIONS

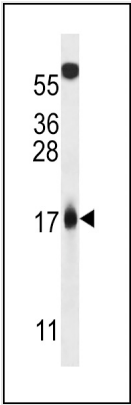
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MLM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-101 amino acids from the C-terminal region of human MLM.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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: 0.5 (varies by lot)
Sequence Positions	72-101
Sequence Length	132
Applicable Applications for anti-CDKN2A antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), 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)
MLM Antibody (C-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
MLM Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MLM Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
MLM Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MLM antibody detected the MLM protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN2A antibody	This gene generates several transcript variants which differ in their first exons. At least three alternatively spliced variants encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 Kb upstream of the remainder of the gene; this transcript contains an alternate open reading frame (ARF) that specifies a protein which is structurally unrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, MDM1, a protein responsible for the degradation of p53. In spite of the structural and functional differences, the CDK inhibitor isoforms and the ARF product encoded by this gene, through the regulatory roles of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cell cycle G1 control. This gene is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene.
Product Categories/Family for anti-CDKN2A antibody	Cancer; Cell biology

References	Kovacs, E., et al. Proc. Natl. Acad. Sci. U.S.A. 107(12):5429-5434(2010) Irvine, M., et al. Cell Cycle 9(4):829-839(2010) Zhang, H.J., et al. J. Cell. Biochem. 106(3):464-472(2009) Ivanchuk, S.M., et al. Cell Cycle 7(12):1836-1850(2008) Bandyopadhyay, K., et al. Biochemistry 46(49):14325-14334(2007)
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	300863096
NCBI GeneID	1029
NCBI Accession #	NP_478102.2
NCBI GenBank Nucleotide #	NM_058195.3
UniProt Accession #	Q8N726; Q13195; Q13399; Q16360; Q7KZR9; D3DRK2; P42771
Molecular Weight	13903
NCBI Official Full Name	cyclin-dependent kinase inhibitor 2A isoform p14ARF
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 2A
NCBI Official Symbol	CDKN2A
NCBI Official Synonym Symbols	ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A
NCBI Protein Information	cyclin-dependent kinase inhibitor 2A
UniProt Protein Name	Tumor suppressor ARF
UniProt Gene Name	CDKN2A
UniProt Synonym Gene Names	ARF
UniProt Entry Name	ARF_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.