

Mouse anti-Human CDKN1b Monoclonal Antibody | anti-CDKN1b antibody

CDKN1b antibody

CATALOG # AAA48228	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

CDKN1b; Monoclonal Antibody; CDKN1b antibody; Cyclin-dependent kinase inhibitor 1B; CDKN4; KIP1; MEN1B; MEN4; P27KIP1; anti-CDKN1b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT7B9
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	198
Applicable Applications for anti-CDKN1b antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CDKN1b (1-198aa) purified from E. coli
Clone Note	Anti-human CDKN1b mAb, clone AT7B9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CDKN1b protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CDKN1b in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CDKN1b antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CDKN1b antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : MCF-7 cell lysate Lane 2 : NIH/3T3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN1b antibody	The cyclin-dependent kinase inhibitor p27Kip1 plays an important role in cell cycle regulation. The cyclin-dependent kinase-inhibitory activity of p27Kip1 is regulated by changes in its concentration and its subcellular localization. Cyclin-dependent kinase inhibitor p27 (kip1) is a putative tumor suppressor for human cancer.
Product Categories/Family for anti-CDKN1b antibody	Cell Cycle
References	Fujita N., et al. (2003) J Biol Chem. 278 (49): 49254-60.; Viglietto G., et al. (2002) Nat Med. 8 (10): 1136-44.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757962
NCBI GeneID	1027
NCBI Accession #	NP_004055
NCBI GenBank Nucleotide #	NM_004064.4
UniProt Accession #	P46527; Q16307; Q5U0H2; Q9BUS6
Molecular Weight	22,073 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1B
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 1B
NCBI Official Symbol	CDKN1B
NCBI Official Synonym Symbols	KIP1; MEN4; CDKN4; MEN1B; P27KIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1B
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1B
UniProt Gene Name	CDKN1B
UniProt Synonym Gene Names	KIP1

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/cdkn1b-antibody-clone-at7b9-immunofluorescence-immunocytochemistry-western-blot-elisa/48228>