

Rabbit anti-Human p19 INK4d/CDKN2D Polyclonal Antibody | anti-CDKN2D antibody

Anti-p19 INK4d/CDKN2D Antibody Picoband

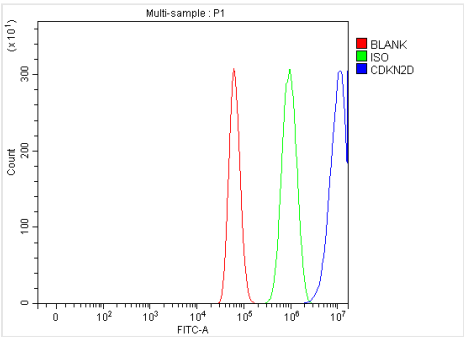
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126380	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

p19 INK4d/CDKN2D; Polyclonal Antibody; Anti-p19 INK4d/CDKN2D Antibody Picoband; anti-CDKN2D antibody

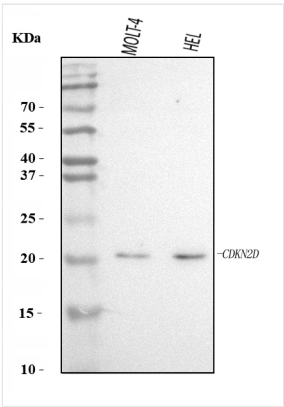
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CDKN2D antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human p19 INK4d/CDKN2D recombinant protein (Position: E31-H132).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U87 cells using anti-P19 INK4d/CDKN2D antibody (AAA126380). Overlay histogram showing U87 cells stained with AAA126380 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-P19 INK4d/CDKN2D Antibody (AAA126380, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of P19 INK4d/CDKN2D using anti-P19 INK4d/CDKN2D antibody (AAA126380). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MOLT4 whole cell lysates, Lane 2: human HEL whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-P19 INK4d/CDKN2D antigen affinity purified polyclonal antibody (#AAA126380) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for P19 INK4d/CDKN2D at approximately 18 kDa. The expected band size for P19 INK4d/CDKN2D is at 18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN2D antibody	Cyclin-dependent kinase 4 inhibitor D is an enzyme that in humans is encoded by the CDKN2D gene. The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported.
Product Categories/Family for anti-CDKN2D antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502753
NCBI GeneID	1032
NCBI Accession #	NP_001791.1
NCBI GenBank Nucleotide #	NM_001800.3
UniProt Accession #	P55273; Q13102; Q6FGE9
Molecular Weight	17,700 Da
NCBI Official Full Name	cyclin-dependent kinase 4 inhibitor D
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
NCBI Official Symbol	CDKN2D

NCBI Official Synonym Symbols	p19; INK4D; p19-INK4D
NCBI Protein Information	cyclin-dependent kinase 4 inhibitor D; CDK inhibitor p19INK4d; inhibitor of cyclin-dependent kinase 4d; cyclin-dependent kinase 4 inhibitor D p19; cell cycle inhibitor, Nur77 associating protein
UniProt Protein Name	Cyclin-dependent kinase 4 inhibitor D
UniProt Gene Name	CDKN2D
UniProt Entry Name	CDN2D_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://www.aaabiotech.com/polyclonal/p19-ink4d-cdkn2d-antibody-flow-cytometry-western-blot-elisa/126380>