

Rabbit CDKN3 Polyclonal Antibody | anti-CDKN3 antibody

CDKN3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326553	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

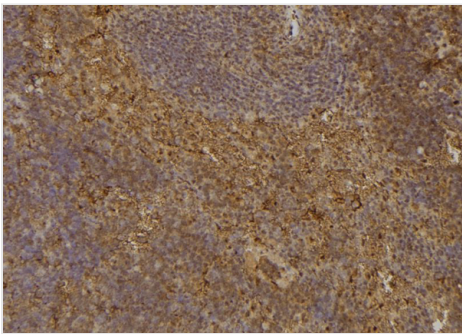
PRODUCT SYNONYMS

CDKN3; Polyclonal Antibody; CDKN3 Antibody; CDI1; Cdk associated protein phosphatase; CDK2 associated dual specificity phosphatase; CDK2-associated dual-specificity phosphatase; CDKN3_HUMAN; CIP2; Cyclin dependent kinase inhibitor 3; Cyclin dependent kinase interacting protein 2; Cyclin dependent kinase interactor 1; Cyclin-dependent kinase inhibitor 3; Cyclin-dependent kinase interactor 1; Cyclin-dependent kinase-interacting protein 2; FLJ25787; KAP; KAP1; Kinase associated phosphatase; Kinase-associated phosphatase; MGC70625; OTTHUMP00000178991; anti-CDKN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CDKN3 antibody detects endogenous levels of total CDKN3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	172
Applicable Applications for anti-CDKN3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDKN3
Subcellular Location	Cytoplasm > Perinuclear Region.
Tissue Specificity	Up-regulated in breast and prostate cancer cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (82%), Dog (82%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

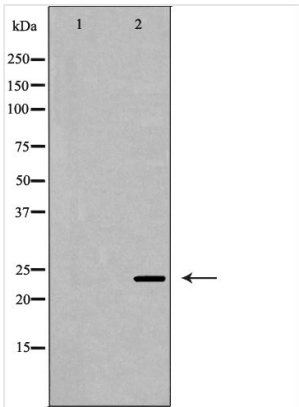
IMAGES



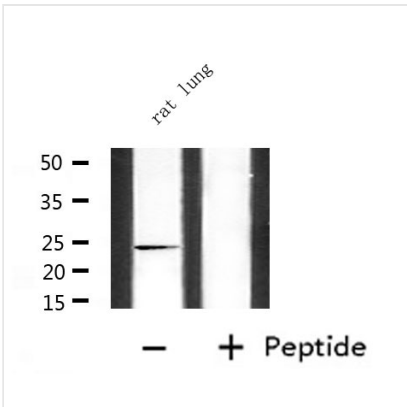
IHC (Immunohistochemistry)
AAA326553 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA326553 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts of mouse heart, using CDKN3 antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from rat lung, using CDKN3 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN3 antibody	Description: The protein encoded by this gene belongs to the dual specificity protein phosphatase family. It was identified as a cyclin-dependent kinase inhibitor, and has been shown to interact with, and dephosphorylate CDK2 kinase, thus prevent the activation of CDK2 kinase. This gene was reported to be deleted, mutated, or overexpressed in several kinds of cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008] Function: May play a role in cell cycle regulation. Dual specificity phosphatase active toward substrates containing either phosphotyrosine or phosphoserine residues. Dephosphorylates CDK2 at 'Thr-160' in a cyclin-dependent manner. Subunit Structure: Interacts with cyclin-dependent kinases such as CDK1, CDK2 and CDK3. Does not interact with CDK4. Interacts (via C-terminus) with phosphorylated CDK2 (via C-terminal helix). Interacts with MS4A3 (via C-terminus); the interaction enhances CDKN3 enzymatic activity. Similarity: Belongs to the protein-tyrosine phosphatase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	195927025
NCBI GeneID	1033
NCBI Accession #	NP_001124323.1
NCBI GenBank Nucleotide #	NM_001130851.1

UniProt Accession #	Q16667; Q53ZU6; Q5U0M4; Q6P1N8; Q99585; Q9BPW7; Q9BY36; Q9C042; Q9C046; Q9C047; Q9C049; Q9C051
Molecular Weight	Observed: 24 kDa Predicted: 24 kDa
NCBI Official Full Name	cyclin-dependent kinase inhibitor 3 isoform 2
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 3
NCBI Official Symbol	CDKN3
NCBI Official Synonym Symbols	KAP; CDI1; CIP2; KAP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 3
UniProt Protein Name	Cyclin-dependent kinase inhibitor 3
UniProt Gene Name	CDKN3
UniProt Synonym Gene Names	CDI1; CIP2; KAP

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/polyclonal/cdkn3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326553>