Rabbit CDKN2C/p18-INK4C Polyclonal Antibody | anti-CDKN2C/p18-INK4C antibody

CDKN2C/p18-INK4C Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282287	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

CDKN2C/p18-INK4C; Polyclonal Antibody; CDKN2C/p18-INK4C Rabbit pAb; CDKN2C; INK4C; p18; p18-INK4C; cyclin dependent kinase inhibitor 2C; anti-CDKN2C/p18-INK4C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-CDKN2C/p18-INK4C antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-168 of human CDKN2C/p18-INK4C (NP_523240.1).
Cellular Location	cytoplasm, cytosol, nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

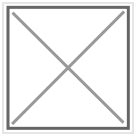
IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using CDKN2C/p18-INK4C antibody. Blue: DAPI for nuclear staining.

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse lung using CDKN2C/p18-INK4C antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human stomach using CDKN2C/p18-INK4C antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded rat lung using CDKN2C/p18-INK4C antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CDKN2C/p18-INK4C antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN2C/p18-INK4C antibody	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact 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. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported.
Product Categories/Family for anti-CDKN2C/p18-INK4C antibody	Epigenetics & Nuclear Signaling; Cancer; Tumor suppressors; Signal Transduction; Kinase; Serine/threonine kinases; Cell Biology & Developmental Biology; Cell Cycle; Cell cycle inhibitors; G1/S Checkpoint; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27469582
NCBI GeneID	5562
UniProt Accession #	Q13131; O00286; Q5D0E1; Q86VS1; Q9UNQ4; A8MTQ6; B2R7E1
Molecular Weight	64,009 Da
NCBI Official Full Name	PRKAA1 protein
NCBI Official Synonym Full Names	protein kinase, AMP-activated, alpha 1 catalytic subunit
NCBI Official Symbol	PRKAA1
NCBI Official Synonym Symbols	AMPK; AMPKa1
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-1; ACACA kinase; AMPK alpha 1; HMGCR kinase; AMPK subunit alpha-1; tau-protein kinase PRKAA1; acetyl-CoA carboxylase kinase; AMP -activate kinase alpha 1 subunit; hydroxymethylglutaryl-CoA reductase
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Gene Name	**PRKAA1**
UniProt Synonym Gene Names	AMPK1; AMPK subunit alpha-1; ACACA kinase; HMGCR kinase
UniProt Entry Name	AAPK1_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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