

Datasheet for ABIN7266611
anti-CDKN2C antibody



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4 Images

Overview

Quantity:	100 µL
Target:	CDKN2C
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CDKN2C antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	CDKN2C/p18-INK4C Rabbit mAb
Immunogen:	A synthesized peptide derived from human CDKN2C/p18-INK4C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CDKN2C
Alternative Name:	CDKN2C (CDKN2C Products)
Background:	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase

Target Details

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. [provided by RefSeq, Jul 2008],INK4C, p18, p18-INK4C,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell cycle inhibitors,Epigenetics & Nuclear Signaling,G1/S Checkpoint,Kinase,Kinase_Serine/threonine kinases,Signal Transduction,Tumor suppressors,CDKN2C

Molecular Weight: 15kDa

Gene ID: 1031

UniProt: [P42773](#)

Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

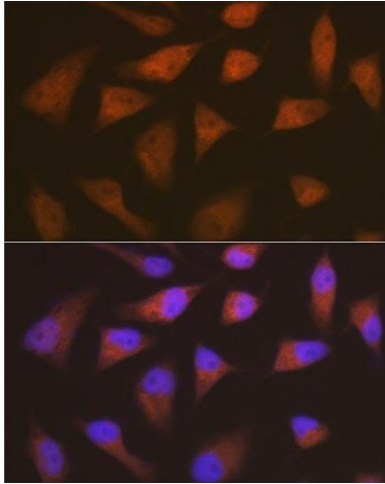
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

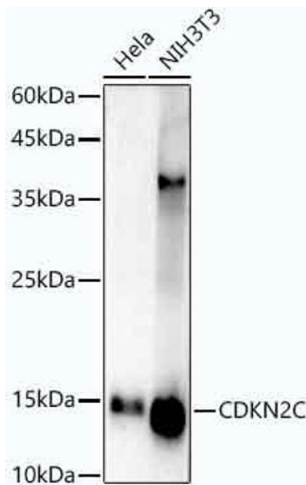
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



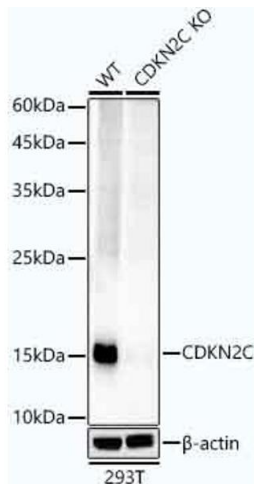
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using CDKN2C/p18-INK4C Rabbit mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of HepG2 cells, using CDKN2C antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



Western Blotting

Image 3. Western blot analysis of extracts from wild type (WT) and CDKN2C knockout (KO) 293T cells, using CDKN2C antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7266611.