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Datasheet for 600-401-AJ7

CDKN1C Antibody

Overview

Description:	Anti-CDKN1C (RABBIT) Antibody - 600-401-AJ7
Item No.:	600-401-AJ7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The cyclin-dependent kinase inhibitor 1C (CDKN1C), also known as p57KIP2, is a tight-binding, strong inhibitor of several G1 cyclin/CDK complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndrome, a cancer-predisposing syndrome, suggesting that this gene is a tumor suppressor candidate. CDKN1C is widely expressed during organogenesis with its expression declining after maturity. It is part of the CIP/KIP family of cyclin-dependent inhibitors (CKIs) which also includes CDKN1A and CDKN1B.
Synonyms:	CDKN1C Antibody, BWS, WBS, p57, BWCR, KIP2, p57Kip2, Cyclin-dependent kinase inhibitor 1C, Cyclin-dependent kinase inhibitor p57
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CDKN1C
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CDKN1C antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human CDKN1C.

Purity/Specificity:	Anti-CDKN1C Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of CDKN1C are known to exist; this antibody will detect all three isoforms. Despite its predicted molecular weight, CDKN1C often migrates at 57kDa in SDS-PAGE. CDKN1C antibody is predicted to not cross react with other CIP/KIP proteins.
Relevant Links:	• UniProtKB - P49918 • GeneID - 1028 • NCBI - NP_000067

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-CDKN1C Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

Formulation

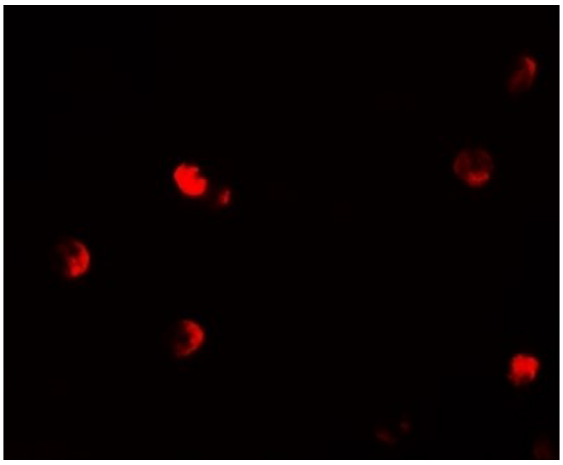
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

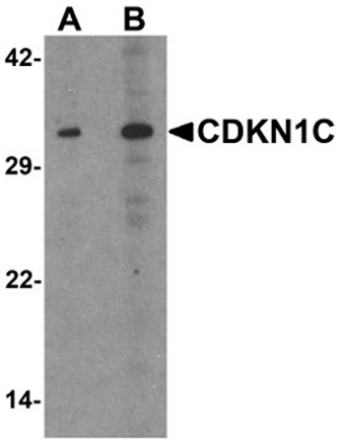
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of CDKN1C.
Cell: 293 cells.
Primary Antibody: CDKN1C antibody at 20 µg/mL.



Western Blot
Western blot analysis of CDKN1C.
Load: 293 cell lysate.
Primary Antibody: CDKN1C antibody at (A) 1 and (B) 2 µg/mL.

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