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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

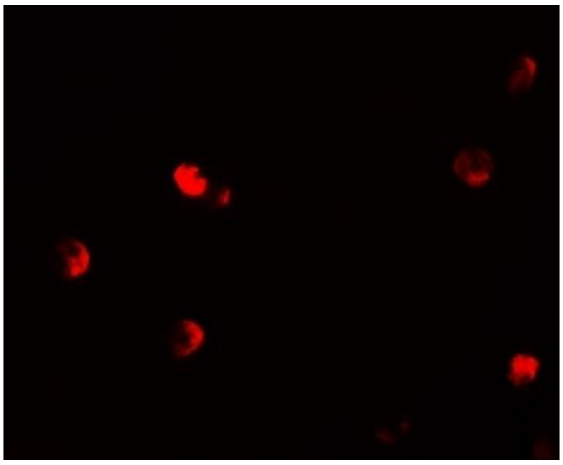
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

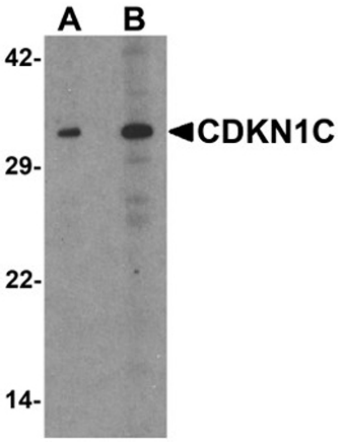
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.