

Datasheet for ABIN654899
anti-CDKN1C antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	CDKN1C
Binding Specificity:	AA 34-64, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKN1C antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This CDKN1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-64 amino acids from the N-terminal region of human CDKN1C.
Clone:	RB19047
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CDKN1C
Alternative Name:	CDKN1C (CDKN1C Products)
Background:	This gene is imprinted, with preferential expression of the maternal allele. The encoded protein

Target Details

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, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.

Molecular Weight: 32177

Gene ID: 1028

NCBI Accession: [NP_000067](#), [NP_001116102](#), [NP_001116103](#)

UniProt: [P49918](#)

Pathways: [Cell Division Cycle](#), [Dopaminergic Neurogenesis](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

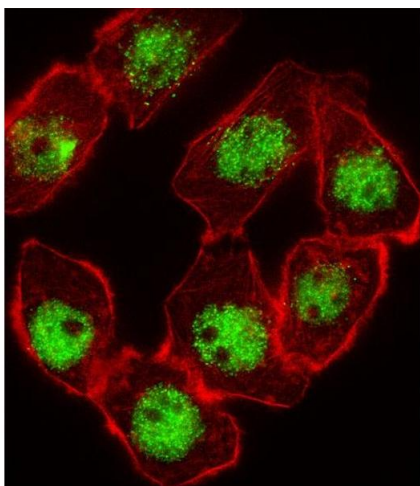
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

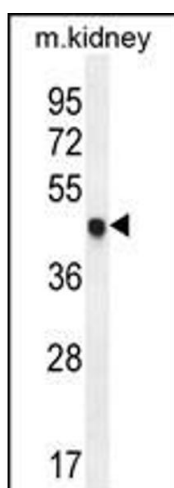
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunofluorescence

Image 1. Fluorescent image of A549 cell stained with CDKN1C Antibody (N-term) (ABIN654899 and ABIN2844548). A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with CDKN1C primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). CDKN1C immunoreactivity is localized to Nucleus significantly.



Western Blotting

Image 2. CDKN1C Antibody (N-term) (ABIN654899 and ABIN2844548) western blot analysis in mouse kidney tissue lysates (35 µg/lane). This demonstrates the CDKN1C antibody detected the CDKN1C protein (arrow).