

Datasheet for ABIN6243104  
**anti-CDKN2A antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	CDKN2A
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKN2A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This CDKN2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CDKN2A.
Clone:	RB41435
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CDKN2A
Alternative Name:	CDKN2A ( <a href="#">CDKN2A Products</a> )
Background:	This gene generates several transcript variants which differ in their first exons. At least three

## Target Details

alternatively spliced variants encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 Kb upstream of the remainder of the gene, this transcript contains an alternate open reading frame (ARF) that specifies a protein which is structurally unrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, MDM1, a protein responsible for the degradation of p53. In spite of the structural and functional differences, the CDK inhibitor isoforms and the ARF product encoded by this gene, through the regulatory roles of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cell cycle G1 control. This gene is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene.

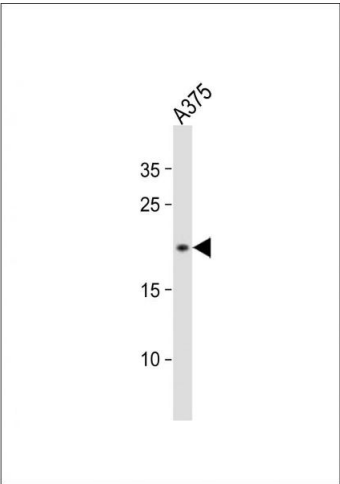
Molecular Weight:	16533
NCBI Accession:	<a href="#">NP_000068</a> , <a href="#">NP_001182061</a> , <a href="#">NP_478104</a>
UniProt:	<a href="#">P42771</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Autophagy</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:500
Restrictions:	For Research Use only

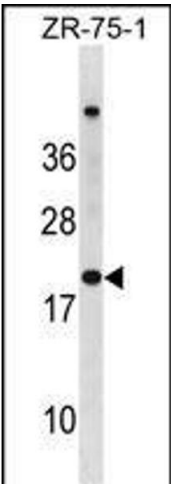
## Handling

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
Expiry Date:	6 months



#### Western Blotting

**Image 1.** Anti-CDKN2A Antibody (S8) at 1:500 dilution + whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



#### Western Blotting

**Image 2.** CDKN2A Antibody (N-term S8) (ABIN6243104 and ABIN6577380) western blot analysis in ZR-75-1 cell line lysates (35 µg/lane). This demonstrates the CDKN2A antibody detected the CDKN2A protein (arrow).