

Datasheet for ABIN3030638
anti-CDKN2A antibody (AA 1-30)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	CDKN2A
Binding Specificity:	AA 1-30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKN2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 1-30 from the human protein was used as the immunogen for this CDKN2A antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	CDKN2A
Alternative Name:	CDKN2A (CDKN2A Products)
Background:	This gene generates several transcript variants which differ in their first exons. At least three 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

Target Details

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.

UniProt: [P42771](#)

Pathways: [Mitotic G1-G1/S Phases](#), [Stem Cell Maintenance](#), [Positive Regulation of Endopeptidase Activity](#), [Autophagy](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: Titration of the CDKN2A antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

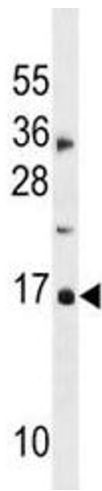
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

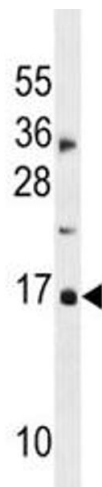
Storage: -20 °C

Storage Comment: Aliquot the CDKN2A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. CDKN2A antibody western blot analysis in MDA-MB453 lysate.



Western Blotting

Image 2. CDKN2A antibody western blot analysis in MDA-MB453 lysate.