

Datasheet for ABIN3030639  
**anti-CDKN2A antibody (AA 39-65)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	0.4 mL
Target:	CDKN2A
Binding Specificity:	AA 39-65
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKN2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 39-65 from the mouse protein was used as the immunogen for this Cdkn2a antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

## Target Details

Target:	CDKN2A
Alternative Name:	Cdkn2a ( <a href="#">CDKN2A Products</a> )
Background:	Capable of inducing cell cycle arrest in G1 and G2 phases. Acts as a tumor suppressor. Binds to MDM2 and blocks its nucleocytoplasmic shuttling by sequestering it in the nucleolus. This inhibits the oncogenic action of MDM2 by blocking MDM2-induced degradation of p53 and

## Target Details

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enhancing p53-dependent transactivation and apoptosis. Also induces G2 arrest and apoptosis in a p53-independent manner by preventing the activation of cyclin B1/CDC2 complexes. Binds to BCL6 and down-regulates BCL6-induced transcriptional repression. Binds to E2F1 and MYC and blocks their transcriptional activator activity but has no effect on MYC transcriptional repression. Binds to TOP1/TOPOI and stimulates its activity. This complex binds to rRNA gene promoters and may play a role in rRNA transcription and/or maturation. Interacts with NPM1/B23 and promotes its polyubiquitination and degradation, thus inhibiting rRNA processing. Interacts with UBE2I/UBC9 and enhances sumoylation of a number of its binding partners including MDM2 and E2F1. Binds to HUWE1 and represses its ubiquitin ligase activity. May play a role in controlling cell proliferation and apoptosis during mammary gland development.

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UniProt: [Q64364](#)

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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

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Application Notes: Titration of the Cdkn2a antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Preservative: Sodium azide

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

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Storage: -20 °C

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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 mouse spleen tissue lysate.



#### Western Blotting

**Image 2.** Cdkn2a antibody western blot analysis in mouse spleen tissue lysate.