

Datasheet for ABIN1538376
anti-CDKN2A antibody (AA 39-65)



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1 Image

Overview

Quantity:	400 µL
Target:	CDKN2A
Binding Specificity:	AA 39-65
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKN2A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Cdkn2a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-65 amino acids from the Central region of mouse Cdkn2a.
Clone:	RB40175
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 (CDKN2A Products)
Background:	Capable of inducing cell cycle arrest in G1 and G2 phases. Acts as a tumor suppressor. Binds to

Target Details

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 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.

Molecular Weight: 19238

Gene ID: 12578

NCBI Accession: [NP_034007](#)

UniProt: [Q64364](#)

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: 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.

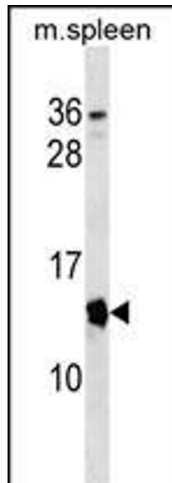
Storage: 4 °C, -20 °C

Handling

Storage Comment: Mouse Cdkn2a Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months

Images



Western Blotting

Image 1. Mouse Cdkn2a Antibody (Center) (ABIN1538376 and ABIN2838239) western blot analysis in mouse spleen tissue lysates (35 µg/lane). This demonstrates the Cdkn2a antibody detected the Cdkn2a protein (arrow).