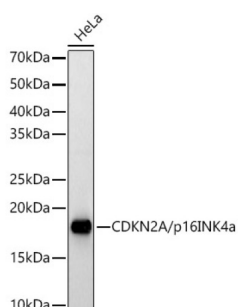
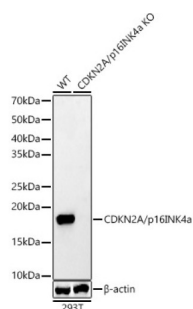


## Cyclin-Dependent Kinase Inhibitor 2A (CDKN2A) Antibody

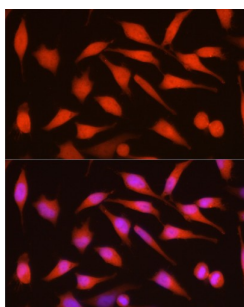
Catalogue No.: abx000647



Western blot analysis of lysates from HeLa cells, using [KO Validated] CDKN2A/p16INK4a Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 30s.



Western blot analysis of lysates from HeLa cells using [KO Validated] CDKN2A/p16INK4a Antibody at 1/18000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 45s.



Western blot analysis of lysates from wild type(WT) and CDKN2A/p16INK4a knockout (KO) 293T(KO) cells, using [KO Validated] CDKN2A/p16INK4a Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 30s.

CDKN2A Antibody is a Rabbit Polyclonal antibody against CDKN2A. 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 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, the E3 ubiquitin-protein ligase MDM2, 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.

**Target:** Cyclin-Dependent Kinase Inhibitor 2A (CDKN2A)

**Clonality:** Polyclonal

**Reactivity:** Human

# Datasheet

Version: 7.0.0  
Revision date: 09 Jun 2025



<b>Tested Applications:</b>	ELISA, WB, IF/ICC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1 µg/ml, WB: 1/2000 - 1/10000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence within amino acids 1-156 of human CDKN2A/p16INK4a.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P42771 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	CDKN2A
<b>GeneID:</b>	<a href="#">1029</a>
<b>OMIM:</b>	<a href="#">600160</a> <a href="#">155601</a>
<b>NCBI Accession:</b>	NP_000068.1
<b>HGNC:</b>	1787
<b>KEGG:</b>	hsa:1029
<b>Ensembl:</b>	ENSG00000147889
<b>String:</b>	<a href="#">9606.ENSP00000418915</a>
<b>Molecular Weight:</b>	Calculated MW: 8/11/12/13/16/17 kDa Observed MW: 16 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
<b>Concentration:</b>	> 0.2 mg/ml

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**Note:**

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only