

**CDKN2A (isoform 3) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF2493a

**Specification**

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**CDKN2A (isoform 3) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P42771</a>
Other Accession	<a href="#">NP_478104.1</a> , <a href="#">1029</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	16533

**CDKN2A (isoform 3) Antibody (internal region) - Additional Information**

**Gene ID** 1029

**Other Names**

Cyclin-dependent kinase inhibitor 2A, isoforms 1/2/3, Cyclin-dependent kinase 4 inhibitor A, CDK4I, Multiple tumor suppressor 1, MTS-1, p16-INK4a, p16-INK4, p16INK4A, CDKN2A, CDKN2, MTS1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CDKN2A (isoform 3) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDKN2A (isoform 3) Antibody (internal region) - Protein Information**

**Name** CDKN2A ([HGNC:1787](#))

**Synonyms** CDKN2, MTS1

**Function**

Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.

**Cellular Location**

Cytoplasm. Nucleus

#### Tissue Location

Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific

#### CDKN2A (isoform 3) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CDKN2A (isoform 3) Antibody (internal region) - Images



EB07091 (1  $\mu$ g/ml) staining of HeLa lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### CDKN2A (isoform 3) Antibody (internal region) - Background

This antibody is expected to recognize the pancreas isoform (NP\_478104.1) only.

#### CDKN2A (isoform 3) Antibody (internal region) - References

p14ARF induces G2 cell cycle arrest in p53- and p21-deficient cells by down-regulating p34cdc2 kinase activity. Normand G, Hemmati PG, Verdoodt B, von Haefen C, Wendt J, Guner D, May E, Dorken B, Daniel PT. J Biol Chem. 2005 Feb 25;280(8):7118-30. Epub 2004 Dec 6. PMID: 15582998