

CDKN2A / p16INK4a Antibody
Rabbit Polyclonal Antibody
Catalog # ALS11517**Specification**

CDKN2A / p16INK4a Antibody - Product Information

Application	WB, IHC-P, IF, E, IP
Primary Accession	P42771
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A IP~~N/A

CDKN2A / p16INK4a Antibody - 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

Target/Specificity

Human p16 protein (missing the first 7 amino acids).

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

CDKN2A / p16INK4a Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CDKN2A / p16INK4a Antibody - 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

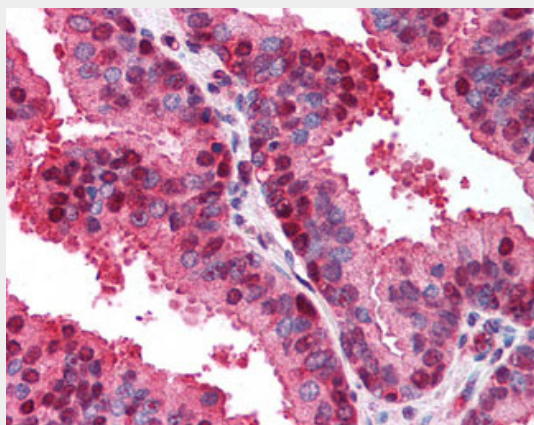
Volume

50 µl

CDKN2A / p16INK4a Antibody - 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 / p16INK4a Antibody - Images

Anti-p16INK4A antibody IHC of human prostate.

CDKN2A / p16INK4a Antibody - Background

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CDKN2A / p16INK4a Antibody - References

Serrano M., et al. Nature 366:704-707(1993).
Robertson K.D., et al. Oncogene 18:3810-3820(1999).
Kitagawa Y., et al. J. Biol. Chem. 277:46289-46297(2002).
Lin Y.C., et al. Oncogene 26:7017-7027(2007).
Humphray S.J., et al. Nature 429:369-374(2004).