

CDKN2A / p16INK4a Antibody (clone 1E12E10)
Mouse Monoclonal Antibody
Catalog # ALS13932**Specification**

CDKN2A / p16INK4a Antibody (clone 1E12E10) - Product Information

Application	WB, IHC-P, E
Primary Accession	P42771
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Monoclonal [1E12E10]
Calculated MW	17kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

CDKN2A / p16INK4a Antibody (clone 1E12E10) - 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

Targets P16. Shows reactivity with Human, Mouse, and Rat samples.

Format

PBS with 0.1% sodium azide and 1% BSA.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

CDKN2A / p16INK4a Antibody (clone 1E12E10) is for research use only and not for use in diagnostic or therapeutic procedures.

CDKN2A / p16INK4a Antibody (clone 1E12E10) - 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

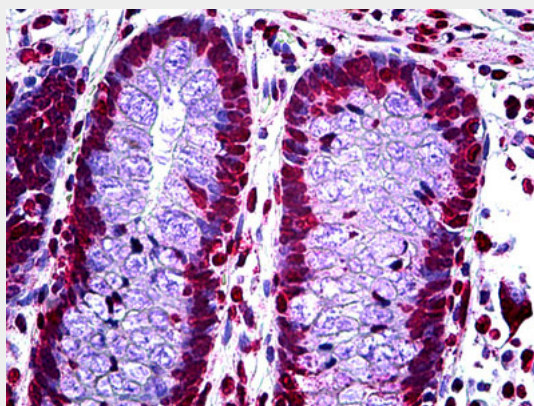
Volume

Array

CDKN2A / p16INK4a Antibody (clone 1E12E10) - 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 (clone 1E12E10) - Images

Anti-p16INK4A antibody IHC of human colon, crypt.

CDKN2A / p16INK4a Antibody (clone 1E12E10) - Background

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.

CDKN2A / p16INK4a Antibody (clone 1E12E10) - References

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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).