

**p16**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80303**

## Specification

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### p16 - Product info

Application	IHC-P, IHC
Primary Accession	<a href="#">P42771</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	16533

### p16 - Additional info

Gene ID	1029
Gene Name	CDKN2A ( <a href="#">HGNC:1787</a> )

#### Other Names

Cyclin-dependent kinase inhibitor 2A {ECO:0000312|HGNC:HGNC:1787}, Cyclin-dependent kinase 4 inhibitor A, CDK4I, Multiple tumor suppressor 1, MTS-1, p16-INK4a, p16-INK4, p16INK4A, CDKN2A ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=1787](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=1787)), CDKN2, MTS1

#### Dilution

IHC-P~~Ready-to-use  
IHC~~Ready-to-use

Storage	<b>This product is stored at 2-8 °C, please use it within the expiration date.</b>
Precautions	<b>p16 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.</b>

### p16 - Protein Information

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

**Synonyms**  
**Function**

**CDKN2, MTS1**

**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**  
**Tissue Location**

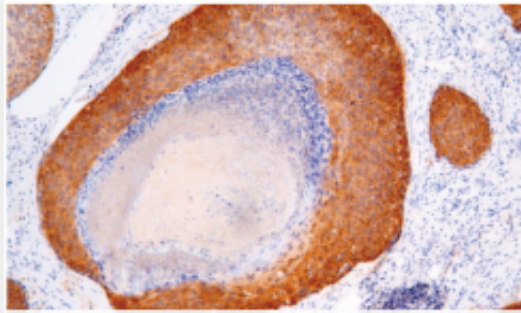
**Cytoplasm. Nucleus**  
**Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific**

## p16 - Protocols

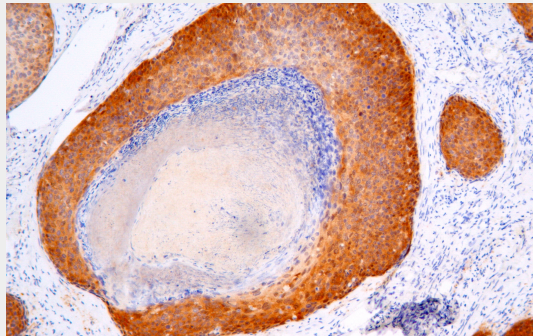
Provided below are standard protocols that you may find useful for product applications.

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

## p16 - Images



Cervical cancer



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma tissue using AD80303 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.