

Product datasheet

Anti-CDKN2A/p16INK4a antibody [1D7D2A1] ab201980

★★★★★ 1 Abreviews 12 References 6 Images

Overview

Product name	Anti-CDKN2A/p16INK4a antibody [1D7D2A1]
Description	Mouse monoclonal [1D7D2A1] to CDKN2A/p16INK4a
Host species	Mouse
Specificity	Expression levels of the CDKN2A/p16INK4a protein may vary with sample type. It's barely expressed in normal tissue, and mostly expressed in some tumour tissues, such as cervical cancer, breast cancer and so on. Moreover, only expressed in some cell lines. Please see images for recommended positive controls.
Tested applications	Suitable for: IHC-P, WB, Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat
Immunogen	Recombinant full length protein corresponding to Human CDKN2A/p16INK4a aa 1 to the C-terminus. Database link: P42771 Run BLAST with Run BLAST with
Positive control	WB: Recombinant human CDKN2A protein; CDKN2A transfected HEK293 cells; HeLa, HepG2, HEK293 cell lysate. Flow Cytometry: HeLa cells. IHC-P: Human endometrial cancer and esophageal cancer tissue.
General notes	This product was changed from ascites to supernatant. Lot no's high than GR286368-6 are from Tissue Culture Supernatant The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

Storage buffer

Preservative: 0.05% Sodium azide

Constituent: PBS

Purity

Protein G purified

Purification notes

Purified from tissue culture supernatant.

Clonality

Monoclonal

Clone number

1D7D2A1

Isotype

IgG1

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab201980 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/1000.
WB		1/500 - 1/2000. Predicted molecular weight: 17 kDa.
Flow Cyt		1/200 - 1/400. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

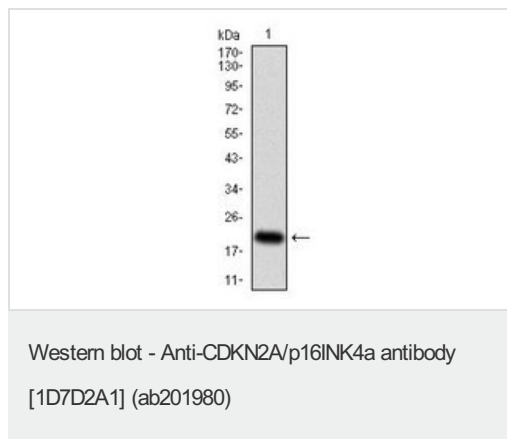
Cellular localization

Cytoplasmic and Nuclear

Form

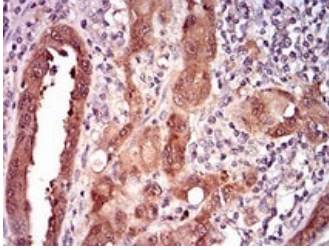
There are 4 isoforms produced by alternative splicing. Isoform 1 also known as: p16INK4a; Isoform 3 also known as: p12; Isoform 4 also known as: p14ARF; p19ARF; ARF.

Images



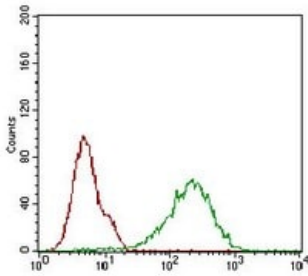
Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980) at 1/500 dilution + recombinant human CDKN2A protein

Predicted band size: 17 kDa



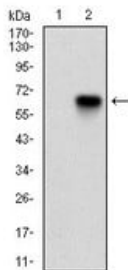
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980)

Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues labeling CDKN2A using ab201980 at 1/200 dilution followed by DAB staining.



Flow Cytometry - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980)

Flow cytometric analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling CDKN2A using ab201980 at 1/200 dilution (green) compared with a negative control (red).



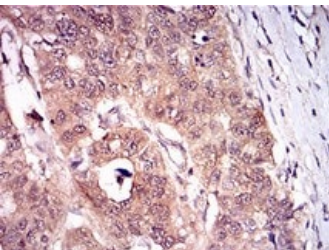
Western blot - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980)

All lanes : Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980) at 1/500 dilution

Lane 1 : Non-transfected HEK-293 (Human epithelial cell line from embryonic kidney) cell lysate

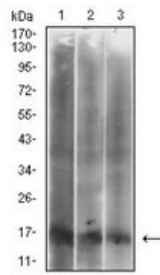
Lane 2 : CDKN2A (AA: 1-156)-hlgGFc transfected HEK-293 (Human epithelial cell line from embryonic kidney) cell lysate

Predicted band size: 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980)

Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues labeling CDKN2A using ab201980 at 1/200 dilution followed by DAB staining.



Western blot - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980)

All lanes : Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980) at 1/500 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 2 : HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate

Lane 3 : HEK-293 (Human epithelial cell line from embryonic kidney) cell lysate

Predicted band size: 17 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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