abcam

ab201980

Anti-CDKN2A/p16INK4a antibody [1D7D2A1]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human CDKN2A. Database link P42771
Clone number	1D7D2A1
Purification technique	Affinity purification Protein G
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.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Tested

Species	Human

Dilution info	1/200 - 1/400
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/200 - 1/1000
Notes	-

Target data

See full target information CDKN2A

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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

This product was changed from ascites to supernatant. Lot no's high than GR286368-6 are from Tissue Culture Supernatant

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

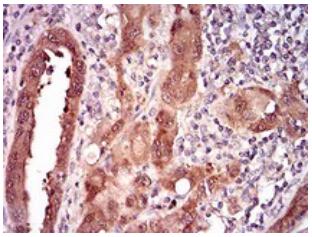
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

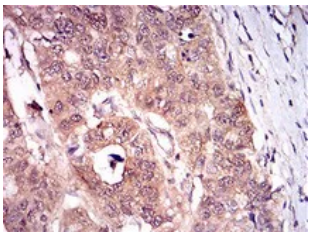
6 product images



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

CDKN2A/p16INK4a Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-CDKN2A/p16INK4a antibody

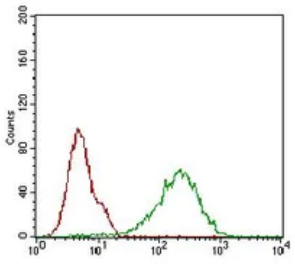
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues labeling CDKN2A using ab201980 at 1/200 dilution followed by DAB staining.



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

CDKN2A/p16INK4a Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-CDKN2A/p16INK4a antibody

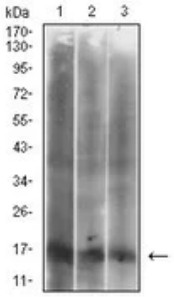
Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues labeling CDKN2A using ab201980 at 1/200 dilution followed by DAB staining.



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

CDKN2A/p16INK4a Flow Cytometry staining using mouse Anti-CDKN2A/p16INK4a antibody

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)

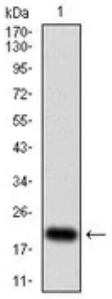
All lanes:
Western blot - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980) at 1/500 dilution

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

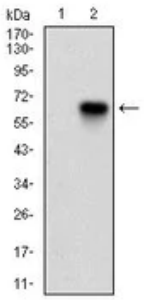


Western blot - Anti-CDKN2A/p16INK4a antibody [1D7D2A1] (ab201980)

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

All lanes:
recombinant human CDKN2A protein

Predicted band size: 17 kDa



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

All lanes:
Western blot - 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)-hIgGFc transfected 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 OR THERAPEUTIC PROCEDURES'.