abcam

ab40803

Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 50% Tissue culture supernatant, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EP435Y
Purification technique	Affinity purification Protein A
Concentration	0.084 - 0.21 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Not recommended

Species	Human
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	1/50
Notes	-

IHC

Not recommended

Species	Human
Dilution info	-
Notes	-

WB

Tested

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

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	Conditional Ambient
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

Species reactivity
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

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.

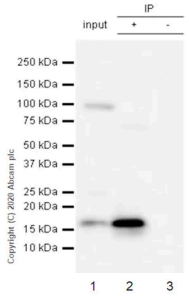
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

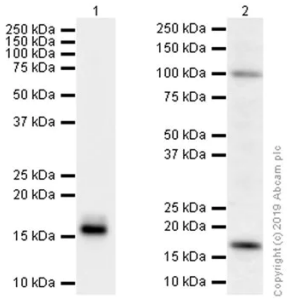
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4 product images



Immunoprecipitation - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803)

Purified ab40803 at 1/50 dilution (2µg) immunoprecipitating CDKN2A/p16INK4a in HeLa whole cell lysate.
Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg
Lane 2 (+): ab40803 + HeLa whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab40803 in HeLa whole cell lysate.
VeriBlot for IP Detection Reagent (HRP) (ab131366) (1/1000 dilution) was used for Western blotting.
Blocking Buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.
Observed band size: 17 kDa
All lanes:
Immunoprecipitation - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803)



Western blot - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803)

CDKN2A/p16INK4A + CDKN2B/p15INK4B Western blot staining using rabbit Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody

5% NFDM/TBST was used as a blocking and diluting buffer.
Eposure times:

Lane 1: 20 seconds

Lane 2: 180 seconds

All lanes:
Western blot - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803) at 1/1000 dilution

Lane 1:
HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate at 15 µg

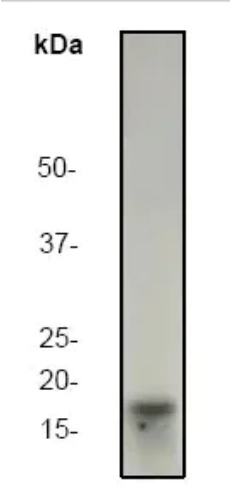
Lane 2:
HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate at 15 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 17 kDa

Observed band size: 17 kDa



Western blot - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803)

All lanes:
Western blot - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803) at 1/1000 dilution

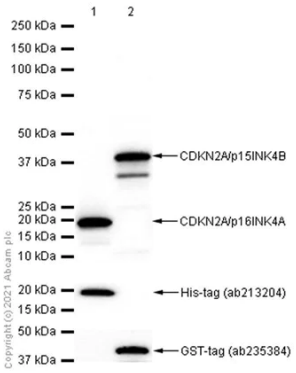
All lanes:
293 cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051)

Predicted band size: 17 kDa

Observed band size: 17 kDa



Western blot - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803)

5% NFDM/TBST was used as a blocking and diluting buffer.
Lysate/proteins at 0.01 µg per lane.

All lanes:
Western blot - Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803) at 1/10000 dilution

Lane 1:
Human CDKN2A full-length recombinant protein with His-tag at 0.01 µg

Lane 2:
Human CDKN2B full-length recombinant protein with GST-tag at 0.01 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 17 kDa

Observed band size: 17 kDa, 40 kDa

Exposure time: 10s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.