

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

重组 RabMAb

2 References 6 图像

概述	
产品名称	Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B抗体[EP435Y]
描述	兔单克隆抗体[EP435Y] to CDKN2A/p16INK4A +CDKN2B/p15INK4B
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP 不适用于: ICC/IF or IHC
种属反应性	与反应: Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: 293 cell lysate, human CDKN2A full-length recombinant protein with His-tag, Human CDKN2B full-length recombinant protein with GST-tag Flow Cyt (intra): HEK-293 cells IP: HeLa cell lysate
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能	
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

	supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EP435Y
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab40803于以下的经测试应用**

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

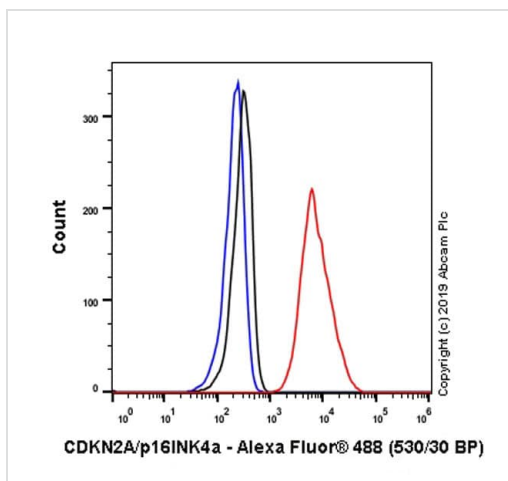
应用	Ab评论	说明
Flow Cyt (Intra)		1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/500 - 1/2000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).
IP		1/50.

应用说明 Is unsuitable for ICC/IF or IHC.

靶标

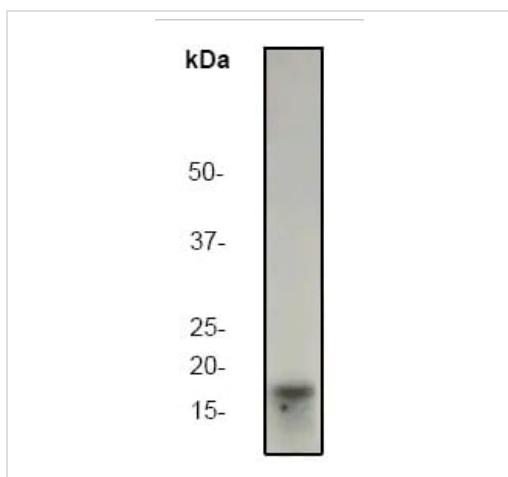
功能	Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.
组织特异性	Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific.
疾病相关	<p>The association between cutaneous and uveal melanomas in some families suggests that mutations in CDKN2A may account for a proportion of uveal melanomas. However, CDKN2A mutations are rarely found in uveal melanoma patients.</p> <p>Melanoma, cutaneous malignant 2</p> <p>Familial atypical multiple mole melanoma-pancreatic carcinoma syndrome</p> <p>Melanoma-astrocytoma syndrome</p>
序列相似性	<p>Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.</p> <p>Contains 4 ANK repeats.</p>
翻译后修饰	Phosphorylation seems to increase interaction with CDK4.
细胞定位	Cytoplasm. Nucleus.

图片



Flow Cytometry (Intracellular) - Anti-
CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody
[EP435Y] (ab40803)

Intracellular Flow Cytometry analysis of HEK-293 (Human embryonic kidney epithelial cell) cells labeling CDKN2A/p16INK4a with purified ab40803 at 1/100 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cells without incubation with primary antibody and secondary antibody (Blue).



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

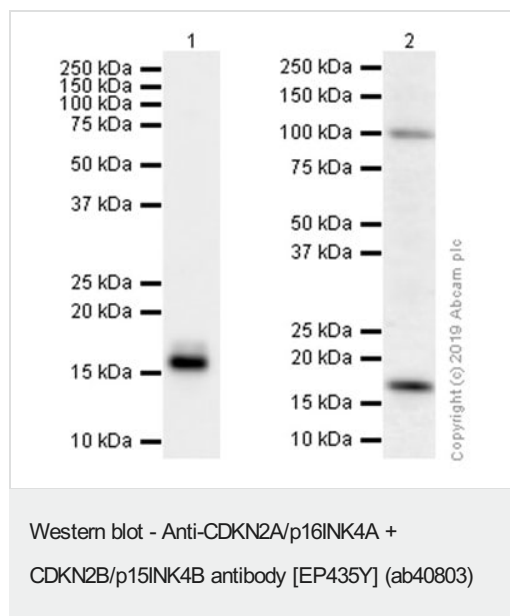
Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y] (ab40803) at 1/1000 dilution + 293 cell lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#))

Predicted band size: 17 kDa

Observed band size: 17 kDa



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

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

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

Lysates/proteins at 15 µg per lane.

Secondary

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

Predicted band size: 17 kDa

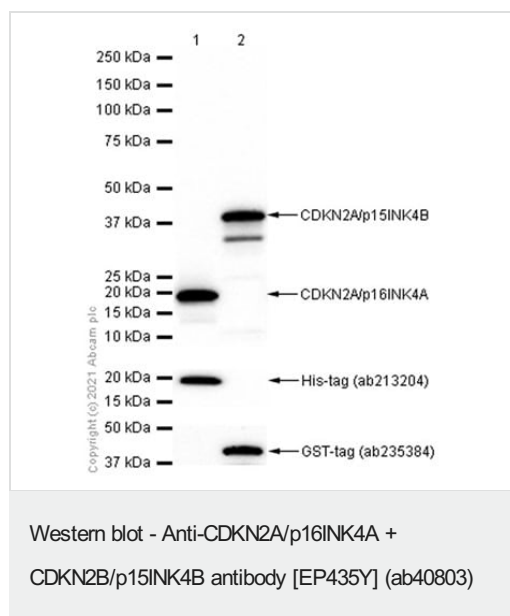
Observed band size: 17 kDa

5% NFDm/TBST was used as a blocking and diluting buffer.

Exposure times:

Lane 1: 20 seconds

Lane 2: 180 seconds



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

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

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

Lysates/proteins at 0.01 µg per lane.

Secondary

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

Predicted band size: 17 kDa

Observed band size: 17, 40 kDa

Exposure time: 10 seconds

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

Lysate/proteins at 0.01 µg per lane.



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

Why choose a recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

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

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