

Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody
[EP435Y-129R] ab81278

重组 RabMAb

31 References 5 图像

概述	
产品名称	Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B抗体[EP435Y-129R]
描述	兔单克隆抗体[EP435Y-129R] to CDKN2A/p16INK4A +CDKN2B/p15INK4B
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, IP 不适用于: IHC-P
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	HeLa cells and 293 cell lysate WB: Human CDKN2A full-length recombinant protein with His-tag, Human CDKN2B full-length recombinant protein with GST-tag
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>
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-129R
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab81278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)		1/50 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/2000. Predicted molecular weight: 17 kDa.
ICC/IF		1/100 - 1/500.
IP		Use at an assay dependent concentration.

应用说明 Is unsuitable for IHC-P.

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.
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组织特异性	Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific.
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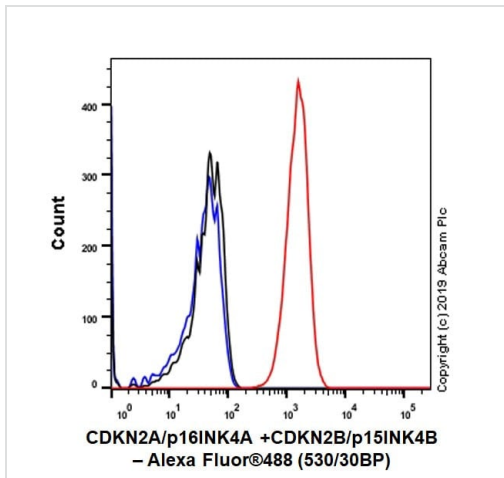
疾病相关	<p>The association between cutaneous and uveal melanomas in some families suggests that mutations in CDKN2A may account for a proportion of uveal melanomas. However, CDKN2A mutations are rarely found in uveal melanoma patients.</p> <p>Melanoma, cutaneous malignant 2</p> <p>Familial atypical multiple mole melanoma-pancreatic carcinoma syndrome</p> <p>Melanoma-astrocytoma syndrome</p>
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序列相似性	Belongs to the CDKN2 cyclin-dependent kinase inhibitor family. Contains 4 ANK repeats.
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翻译后修饰 Phosphorylation seems to increase interaction with CDK4.

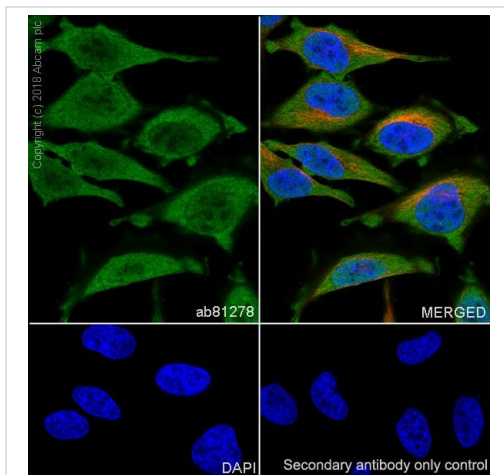
细胞定位 Cytoplasm. Nucleus.

图片



Flow Cytometry (Intracellular) - Anti-
CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody
[EP435Y-129R] (ab81278)

Flow cytometric analysis of 4% paraformaldehyde fixed and 90% methanol permeabilised HEK-293 (Human embryonic kidney epithelial cell) with ab81278 at 1/20 dilution (red) compared with a Rabbit monoclonal IgG ([ab172730](#)) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) at 1/2000 dilution was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-
CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody
[EP435Y-129R] (ab81278)

Immunofluorescent analysis of 4% Paraformaldehyde fixed 0.1% Triton X-100 permeabilised HeLa (human cervix adenocarcinoma epithelial cell) labelling CDKN2A/p16INK4a with ab81278 at 1/250 dilution, followed by AlexaFluor® 488 Goat anti-Rabbit secondary antibody ([ab150077](#)) at 1/1000 dilution (green). Confocal image showing cytoplasmic and nuclear staining in HeLa is observed. Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) was used to counterstain alpha Tubulin at 1/200 dilution (red). The Nuclear counterstain was DAPI (blue).

Secondary antibody only control: Secondary antibody is AlexaFluor® 488 Goat anti-Rabbit secondary antibody ([ab150077](#)) at 1/1000 dilution (green).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology

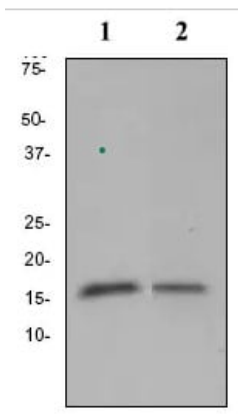


Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B
antibody [EP435Y-129R] (ab81278)



Western blot - Anti-CDKN2A/p16INK4A
+ CDKN2B/p15INK4B antibody [EP435Y-129R]
(ab81278)

All lanes : Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B
antibody [EP435Y-129R] (ab81278) at 1/20000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293 cell lysate

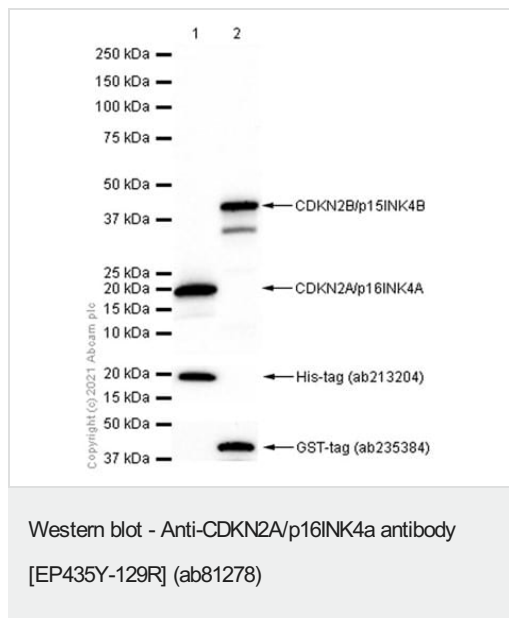
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labeled goat anti rabbit at 1/2000 dilution

Predicted band size: 17 kDa

Observed band size: 17 kDa



All lanes : Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y-129R] (ab81278) at 1/1000 dilution

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

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

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 blocking and diluting buffer.

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