

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

**重组 RabMAb**

**31 References**   [5 图像](#)

### 概述

<b>产品名称</b>	Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B 抗体[EP435Y-129R]
<b>描述</b>	兔单克隆抗体[EP435Y-129R] to CDKN2A/p16INK4A +CDKN2B/p15INK4B
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt (Intra), WB, ICC/IF, IP <b>不适用于:</b> IHC-P
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>阳性对照</b>	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
<b>常规说明</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>纯度</b>	Protein A purified
<b>克隆</b>	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. <b>ab172730</b> - 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.

**组织特异性** Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific.

**疾病相关** 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.

Melanoma, cutaneous malignant 2

Familial atypical multiple mole melanoma-pancreatic carcinoma syndrome

Melanoma-astrocytoma syndrome

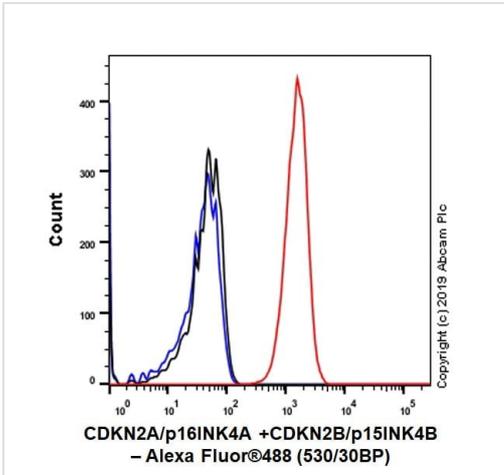
**序列相似性** Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.

Contains 4 ANK repeats.

**翻译后修饰** Phosphorylation seems to increase interaction with CDK4.

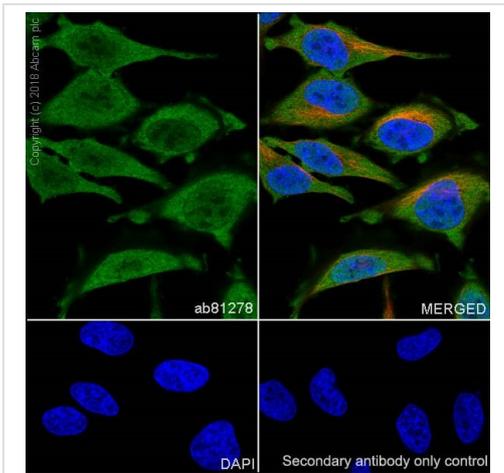
**细胞定位** Cytoplasm. Nucleus.

## 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)

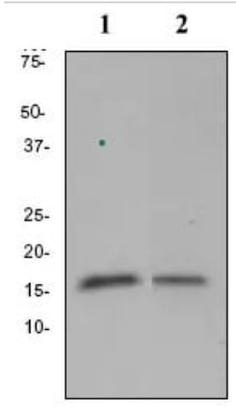
Immunofluorescent analysis of 4% Paraformaldehyde fixed 0.1% Triton X-100 permeabilised HeLa (human cervix adenocarcinoma epithelial cell) labelling CDKN2A/p16INK4a with ab81278 at 1/250 dilution, followed by AlexaFluor® 488 Goat anti-Rabbit secondary antibody (**ab150077**) at 1/1000 dilution (green). 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?



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

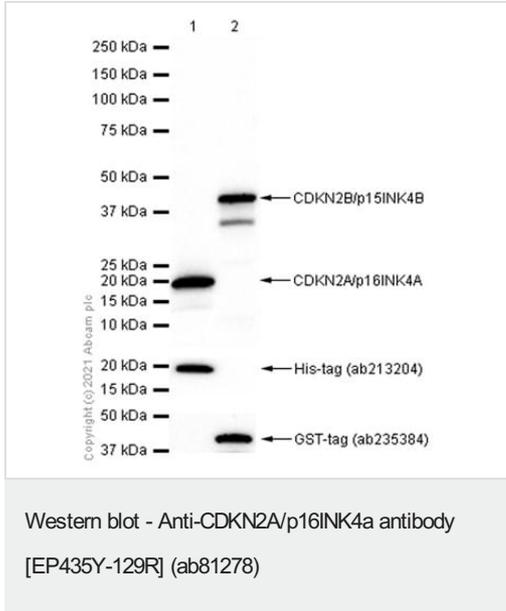
Lysates/proteins at 10 µg per lane.

**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.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors