

### Anti-CDKN2A/p19ARF antibody [5-C3] ab26696

★★★★★ **1 Abreviews** **22 References** **5 图像**

#### 概述

产品名称	Anti-CDKN2A/p19ARF抗体[5-C3]
描述	大鼠单克隆抗体[5-C3] to CDKN2A/p19ARF
宿主	Rat
经测试应用	适用于: WB, IP, ICC/IF, IHC-FoFr
种属反应性	与反应: Mouse 不与反应: Hamster, Human
免疫原	Synthetic peptide corresponding to Mouse CDKN2A/p19ARF conjugated to keyhole limpet haemocyanin.
阳性对照	ICC/IF: MEF1 cells WB: MEF1 cell lysate, NIH3T3 cells
常规说明	<p>The 5-C3 monoclonal has been knockout validated in WB and ICC/IF using wild type and knockout mouse samples. The data are shown in the images section.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.50 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
纯度	Protein G purified

克隆	单克隆
克隆编号	5-C3
骨髓瘤	Y3/Ag1.2.3
同种型	IgG2b

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab26696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。

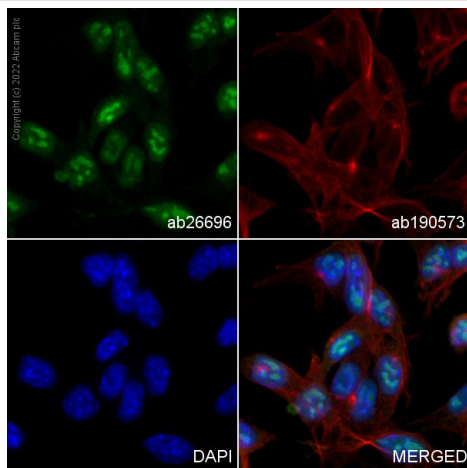
应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 19 kDa (predicted molecular weight: 17 kDa).
IP		Use at an assay dependent concentration.
ICC/IF		1/1000.
IHC-FoFr		Use at an assay dependent concentration.

## 靶标

**相关性** The gene for CDK2NA generates several transcripts/proteins which differ from each other in their first exons. Three of these transcripts are generated by alternative splicing (isoform 1 a.k.a p16INK4A, isoform 2 and isoform 3 a.k.a p12), two of which are known to function as inhibitors of CDK4 kinase. One other transcript that is generated from this gene contains an alternate reading frame (ARF), with the first exon located 20kb upstream of the remainder of the gene (isoform 4 a.k.a. p14ARF, p19ARF, ARF). In spite of the structural and some functional differences, all the proteins encoded by the CDKN2A gene are involved in cell cycle G1 control.

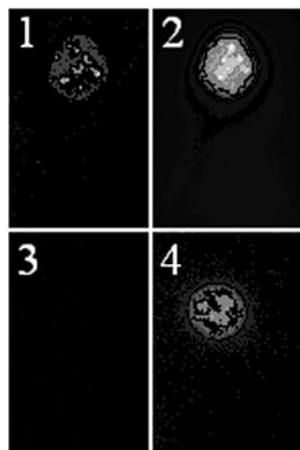
细胞定位	Nuclear
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图片



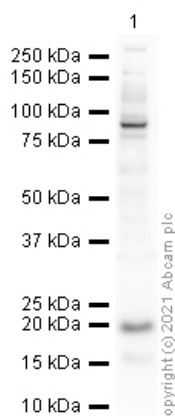
Immunocytochemistry/ Immunofluorescence - Anti-CDKN2A/p19ARF antibody [5-C3] (ab26696)

ab26696 staining CDKN2A/p19ARF in MEF1 cells. The cells were fixed with 4% PFA (10 mins), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab26696 at 5µg/ml and **ab190573**, Rabbit monoclonal to alpha Tubulin (Alexa Fluor® 647), at 2µg/ml (shown in red). The secondary antibody (shown in green) was **ab150165**, Alexa Fluor® 488 Goat anti-Rat IgG (H+L) used at a 1/1000 dilution for 1h at room temperature. Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Anti-CDKN2A/p19ARF antibody [5-C3] (ab26696)

Immunofluorescent detection of p19ARF. MEF cells (1 and 2) or NIH3T3 cells with arf gene deleted (3 and 4) were stained with anti-p19ARF 5C3 followed by a fluorescent-labelled anti-rat IgG (1 and 3) and Hoechst dye to visualise nuclei (2 and 4).



Western blot - Anti-CDKN2A/p19ARF antibody [5-C3] (ab26696)

Anti-CDKN2A/p19ARF antibody [5-C3] (ab26696) at 2 µg/ml + MEF-1 whole cell lysate at 20 µg

### Secondary

Goat polyclonal to Rat IgG - H&L - Pre-Adsorbed (HRP) at 1/10000 dilution

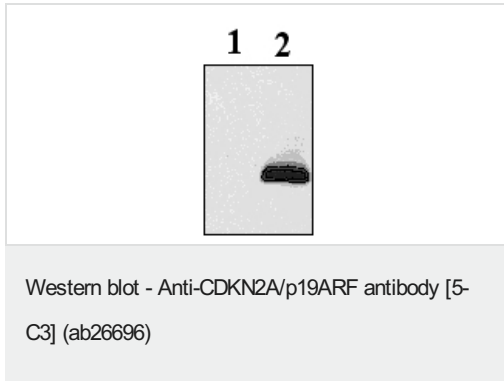
**Predicted band size:** 17 kDa

**Observed band size:** 19,85 kDa

**Exposure time:** 1 minute

Blocking buffer: 2% BSA

Gel type: MES



**All lanes :** Anti-CDKN2A/p19ARF antibody [5-C3] (ab26696)

**Lane 1 :** Total cell lysate from NIH3T3 cells with Arf gene deleted

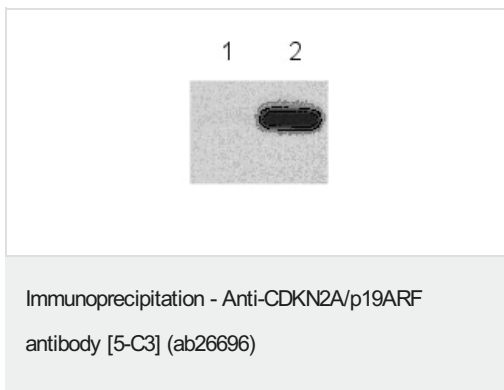
**Lane 2 :** MEF total cell lysate

**Secondary**

**All lanes :** anti-rat IgG-HRP

**Predicted band size:** 17 kDa

**Observed band size:** 19 kDa



Immunoprecipitation using anti-p19ARF 5C3. NIH3T3 cells expressing HA-p19ARF were incubated with a control rat IgG (lane 1) or anti-p19ARF 5C3 (2). Precipitated proteins were analysed by Western blot using anti-HA antibody.

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