

Anti-CDKN2A/p14ARF antibody [SP271] ab216602

重组 RabMAb

6 图像

概述

产品名称	Anti-CDKN2A/p14ARF 抗体[SP271]
描述	兔单克隆抗体[SP271] to CDKN2A/p14ARF
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IHC-P, Flow Cyt (Intra)
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC: Human cervical squamous cell carcinoma Tissue WB: Hela cell lysate ICC/IF: HeLa and MCF7 cells Flow Cyt (intra): HEK293 and HeLa cells
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>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 1% BSA, PBS</p>
纯度	Protein A purified
克隆	单克隆

克隆编号

SP271

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab216602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
ICC/IF		1/500.
WB		1/400. (Incubate for 1 hour at room temperature).
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. (Primary incubation for 10 minutes at room temperature).
Flow Cyt (Intra)		1/400 - 1/420. (Incubate for 30 minutes at 4Â°C).

靶标

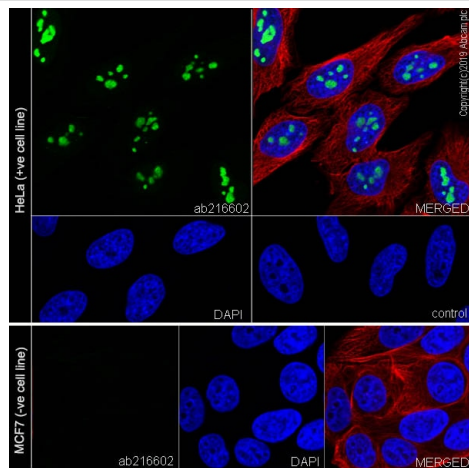
相关性

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

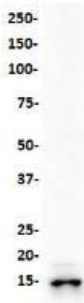
Cytoplasmic and Nuclear

图片



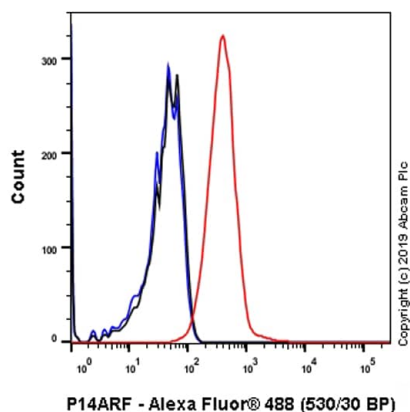
Immunocytochemistry/ Immunofluorescence - Anti-CDKN2A/p14ARF antibody [SP271] (ab216602)

"Immunocytochemistry/ Immunofluorescence analysis of HeLa (human cervix adenocarcinoma epithelial cell) and MCF7 (human breast adenocarcinoma epithelial cell) cells labeling CDKN2A/p14ARF with purified ab216602 at 1/500 (0.86 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control."



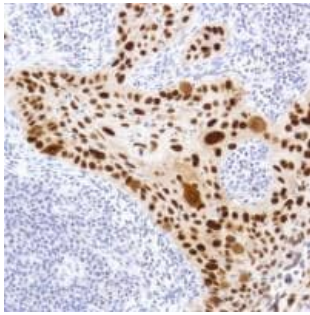
Western blot - Anti-CDKN2A/p14ARF antibody [SP271] (ab216602)

Anti-CDKN2A/p14ARF antibody [SP271] (ab216602) at 1/400 dilution + HeLa cell lysate



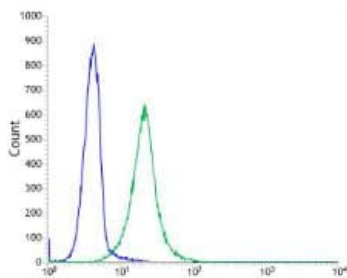
Flow Cytometry (Intracellular) - Anti-CDKN2A/p14ARF antibody [SP271] (ab216602)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma epithelial cell) cells labeling CDKN2A/p14ARF with purified ab216602 at 1/420 dilution (1.02 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 dilution. Isotype control - Rabbit monoclonal IgG (**ab172730**) / Black. Unlabeled control - Unlabelled cells / blue.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human cervical squamous cell carcinoma labeling CDKN2A/p14ARF with ab216602 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p14ARF antibody [SP271] (ab216602)



Intracellular flow cytometric analysis of HEK293 cells labeling CDKN2A/p14ARF with ab216602 at 1/400 dilution (green) compared to negative control rabbit IgG (blue) .

Flow Cytometry (Intracellular) - Anti-CDKN2A/p14ARF antibody [SP271] (ab216602)

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/p14ARF antibody [SP271] (ab216602)

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

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