

Anti-CDKN2A/p16INK4a antibody [2D9A12] ab54210

★★★★★ [19 Abreviews](#) [124 References](#) [8 图像](#)

概述

产品名称	Anti-CDKN2A/p16INK4a抗体[2D9A12]
描述	小鼠单克隆抗体[2D9A12] to CDKN2A/p16INK4a
宿主	Mouse
经测试应用	适用于: Flow Cyt, IHC-P 不适用于: WB
种属反应性	与反应: Rat, Human
免疫原	Recombinant fragment corresponding to Human CDKN2A/p16INK4a. Database link: P42771
阳性对照	IHC-P: Human brain tumor, ovarian carcinoma, cervix, skin and brain tissue. Rat liver tissue. Flow Cyt: HeLa cells.
常规说明	<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&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 long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.03% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	2D9A12
同种型	IgG2b

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab54210 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		1/50. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (9)	1/200 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Recommended antigen retrieval: Place slides in a special glass slide holder and fill in the rack with slides to ensure even heating. Rinse rack in 1L of Citrate buffer in ordinary pressure cooker, (0.01M, pH 6.0) to immerse all slides. Cover the cap and heat for 15-20 minutes on electric cooker until water boils. Begin

应用说明

Is unsuitable for WB.

靶标

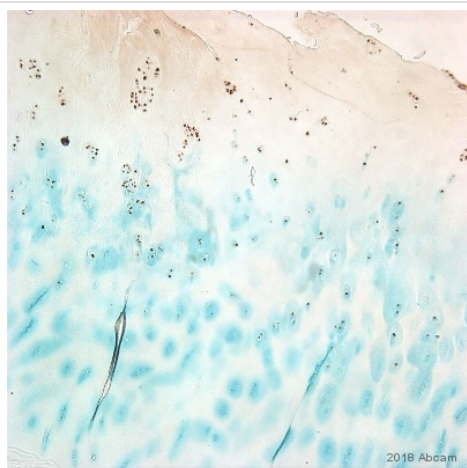
细胞定位

Cytoplasmic and Nuclear

形式

There are 4 isoforms produced by alternative splicing. Isoform 1 also known as: p16INK4a; Isoform 3 also known as: p12; Isoform 4 also known as: p14ARF; p19ARF; ARF.

图片

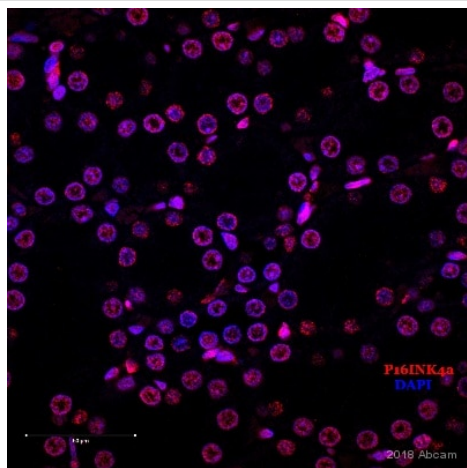


Zinc buffered formalin-fixed human cartilage tissue stained for CDKN2A/p16INK4a using ab54210 at a 1/200 dilution for 15 hours at 4°C. A Goat-anti-mouse polyclonal-biotin was used at the secondary at a 1/200 dilution.

For further detail please see [abreview](#).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

Image is courtesy of an anonymous abreview by a verified customer

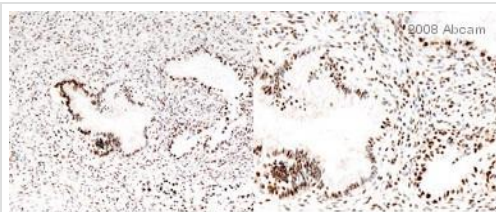


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

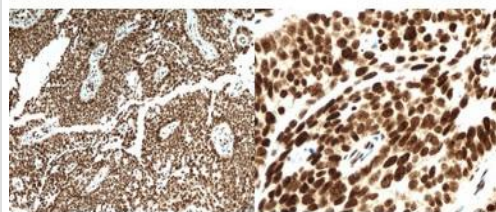
Image is courtesy of an anonymous abreview by a verified customer

10% formalin-fixed rat kidney tissue stained for CDKN2A/p16INK4a using ab54210 at a 1/500 dilution for 16 hours at 4°C. A Cy3-conjugated donkey-anti-mouse was used at the secondary at a 1/200 dilution.

For further detail please see [abreview](#).



Cervix



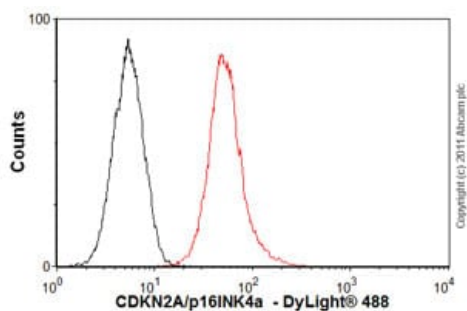
Ovarian Carcinoma

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

Image is courtesy of an anonymous AbReview

ab54210 staining CDKN2A/p16INK4a in human cervix and ovarian carcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

Tissue was fixed with formaldehyde and antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/4000) for 20 minutes at 25°C. An undiluted HRP-conjugated mouse polymer was used as the secondary antibody.



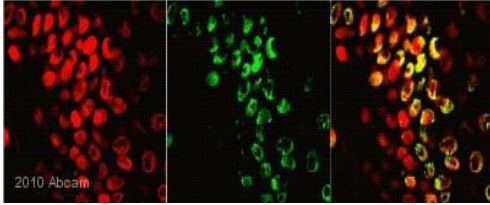
Flow Cytometry - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

Overlay histogram showing HeLa (Human epithelial cell line from cervix adenocarcinoma) cells stained with ab54210 (red line).

The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab54210, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] ([ab91366](#), 2µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed.

This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde/permeabilized in 0.1% PBS-Tween used under the same conditions.

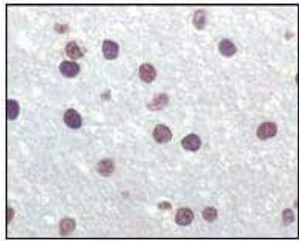


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

Image courtesy of an anonymous AbReview

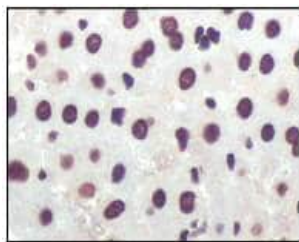
ab54210 staining CDKN2A/p16INK4a in human skin tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

Tissue was fixed with formaldehyde and blocked with 2% BSA for 1 hour at 22°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/100 in 1% NGS/TBS) for 20 hours at 4°C. **ab6785** (1/800) was used as the secondary antibody.



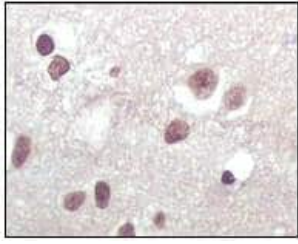
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

ab54210 at a 1:500 staining CDKN2A/p16INK4a in human brain tumor tissue by immunohistochemistry using paraffin embedded tissue. Nuclear staining (DAB) is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

ab54210 at a 1:500 staining CDKN2A/p16INK4a in rat liver tissue by immunohistochemistry using paraffin embedded tissue. Nuclear staining (DAB staining) is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

ab54210 at a 1:500 staining CDKN2A/p16INK4a in human brain tissue by immunohistochemistry using paraffin embedded tissue. Nuclear staining (DAB staining) is shown.

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