

### Anti-CDKN2A/p16INK4a antibody [2D9A12] ab54210

★★★★★ [19 Abreviews](#) [124 References](#) [画像数 8](#)

#### 製品の概要

製品名	Anti-CDKN2A/p16INK4a antibody [2D9A12]
製品の詳細	Mouse monoclonal [2D9A12] to CDKN2A/p16INK4a
由来種	Mouse
アプリケーション	<b>適用あり:</b> Flow Cyt, IHC-P <b>適用なし:</b> WB
種交差性	<b>交差種:</b> Rat, Human
免疫原	Recombinant fragment corresponding to Human CDKN2A/p16INK4a. Database link: <a href="#">P42771</a>
ポジティブ・コントロール	IHC-P: Human brain tumor, ovarian carcinoma, cervix, skin and brain tissue. Rat liver tissue. Flow Cyt: HeLa cells.
特記事項	<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>

#### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.03% Sodium azide Constituent: PBS
精製度	Protein G purified
特記事項(精製)	Purified from tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	2D9A12
アイソタイプ	IgG2b

## アプリケーション

The Abpromise guarantee      Abpromise保証は、 次のテスト済みアプリケーションにおけるab54210の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

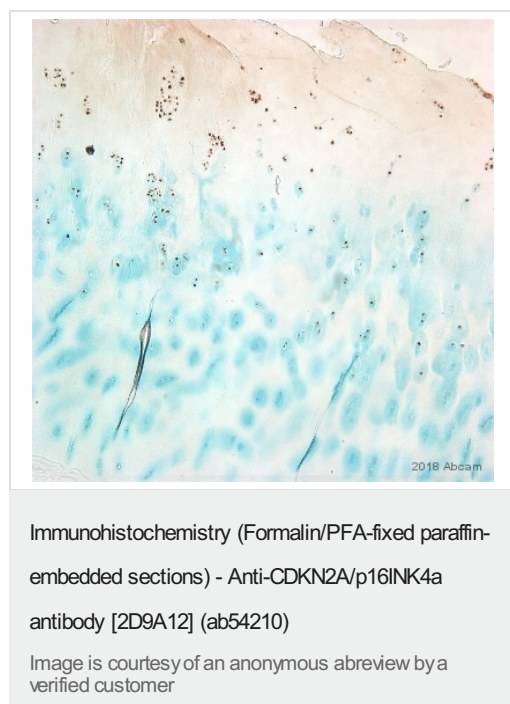
アプリケーション	Abreviews	特記事項
Flow Cyt		1/50. <b>ab170192</b> - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (9)	1/200 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Recommended antigen 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,pH6.0) to immerse all slides.Cover the cap and heat for 15-20 minutes on electric cooker until water boils.Begin

追加情報      Is unsuitable for WB.

## ターゲット情報

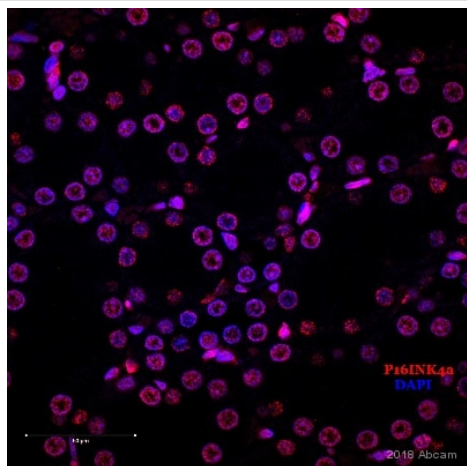
細胞内局在      Cytoplasmic and Nuclear  
製品の状態      There are 4 isoforms produced by alternative splicing. Isoform 1 also known as: p16INK4a; Isoform 3 also known as: p12; Isoform 4 also known as: p14ARF; p19ARF; ARF.

## 画像



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](#).

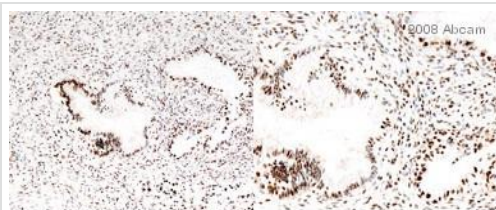


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

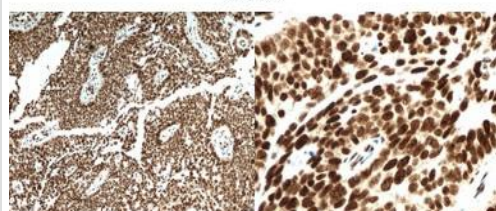
Image is courtesy of an anonymous abreview by a verified customer

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



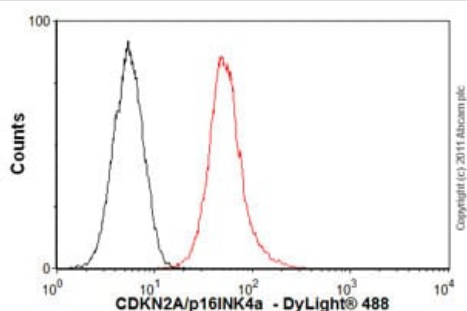
Ovarian Carcinoma

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.



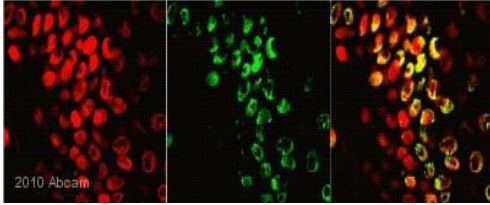
Flow Cytometry - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

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/1x10<sup>6</sup> 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.

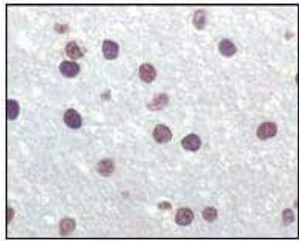


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

Image courtesy of an anonymous AbReview

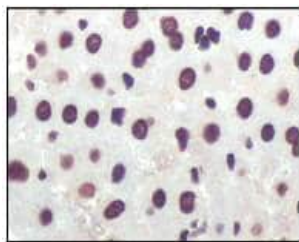
ab54210 staining CDKN2A/p16INK4a in human skin tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

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.



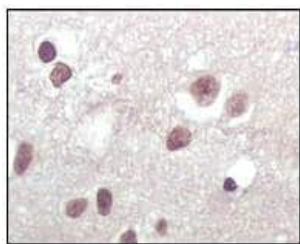
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [2D9A12] (ab54210)

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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