

## Product datasheet

# Anti-CDKN2A/p14ARF antibody ab3642

10 References [画像数 3](#)

### 製品の概要

製品名	Anti-CDKN2A/p14ARF antibody
製品の詳細	Rabbit polyclonal to CDKN2A/p14ARF
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, IHC-Fr, WB, ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide corresponding to the C-terminal region of Human p14ARF
ポジティブ・コントロール	Hela cells. Lymphoma This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HeLa.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 10mM PBS, pH 7.4
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab3642** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		1/25. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IHC-Fr		Use at an assay dependent concentration.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 14 kDa (predicted molecular weight: 14 kDa).
ICC/IF		Use a concentration of 1 µg/ml.

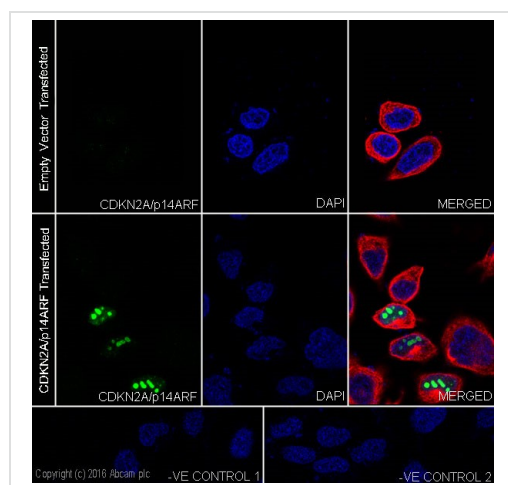
## ターゲット情報

**関連性**

The gene for CDKN2A 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.

**細胞内局在** Cytoplasmic and Nuclear

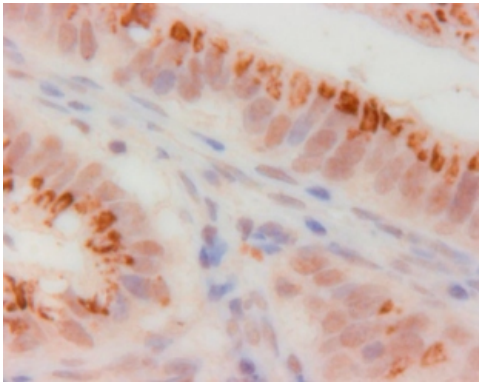
## 画像



Immunocytochemistry - Anti-CDKN2A/p14ARF antibody (ab3642)

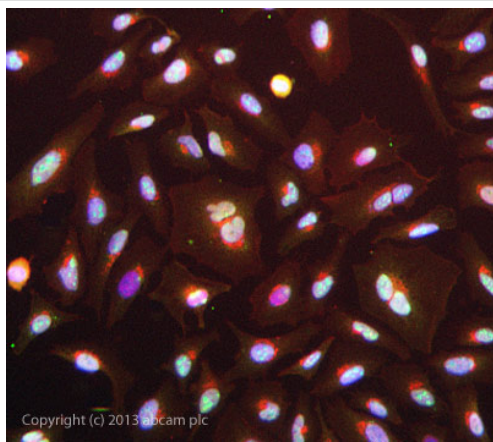
Confocal image showing nuclear staining increased after HeLa cells transfected with CDKN2A/p14ARF.

ICC/IF image of ab3642 stained HeLa cells. The cells were 4% paraformaldehyde fixed and then incubated in 0.1% trixonX-100 to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with primary antibody ab3642 at a dilution of 1/250. An AlexaFluor®594 goat anti-mouse secondary IgG ([ab150077](#)) was used at a 1/1000 dilution. Anti-tubulin ([ab7291](#)) and an AlexaFluor®594 goat anti-mouse IgG ([ab150120](#)) were used as counterstains, both at a dilution of 1/1000. DAPI was used to stain the cell nuclei blue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - p14ARF antibody (ab3642)

This image was kindly supplied as part of the review submitted by Joost van Galen.



Immunocytochemistry/ Immunofluorescence - Anti-CDKN2A/p14ARF antibody (ab3642)

ICC/IF image of ab3642 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab3642 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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