


Product datasheet

Anti-p15 INK4b antibody ab53034

★★★★★ 1 Abreviews 33 References 4 Images

Overview

Product name	Anti-p15 INK4b antibody
Description	Rabbit polyclonal to p15 INK4b
Host species	Rabbit
Specificity	Detects endogenous levels of total p15 INK protein. There is 91.8% identity to CDKN2A (P42771) based on the immunogen sequence range.
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide derived from human p15 INK
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS Without Mg+2 and Ca+2
Purity	Immunogen affinity purified
Purification notes	ab53034 was purified from rabbit antiserum by affinity chromatography using epitope specific immunogen
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab53034 in the following tested applications.

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

Application	Abreviews	Notes
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 15 kDa (predicted molecular weight: 15 kDa).
IHC-P		Use a concentration of 2 µg/ml.
ICC/IF		Use at an assay dependent concentration.

Target

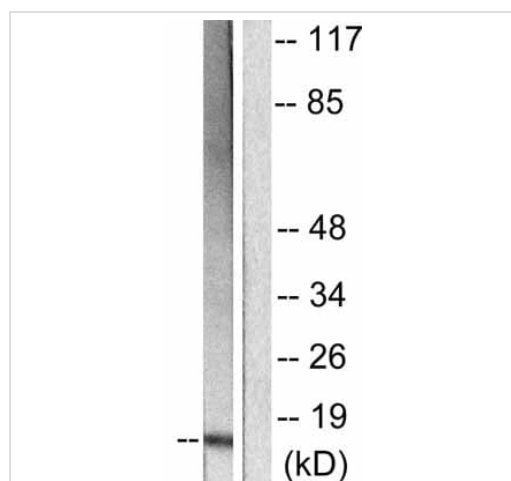
Function

Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.

Sequence similarities

Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.
Contains 4 ANK repeats.

Images



Western blot - Anti-p15 INK4b antibody (ab53034)

All lanes : Anti-p15 INK4b antibody (ab53034) at 1/500 dilution

Lane 1 : HeLa cell extract

Lane 2 : HeLa cell extract with peptide

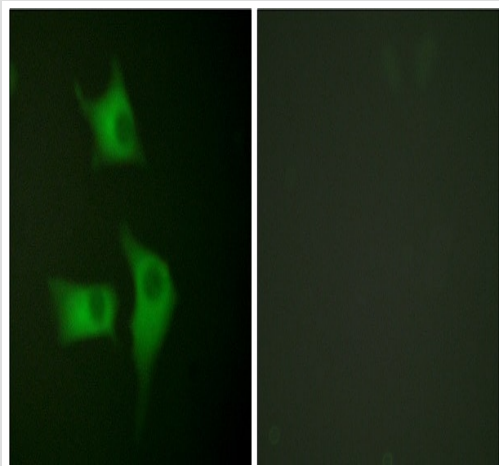
Predicted band size: 15 kDa

Observed band size: 15 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p15 INK4b antibody (ab53034)

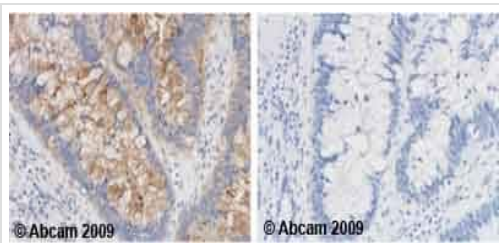
ab53034 (2µg/ml) staining p15 INK4b in human colon carcinoma. Sections were stained using an automated system (DAKO Autostainer Plus), at room temperature: sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffers EDTA pH 9.0 . Slides were peroxidase blocked in 3% H2O2 in methanol for 10

mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



Immunocytochemistry/ Immunofluorescence - Anti-p15 INK4b antibody (ab53034)

Immunofluorescence analysis of HeLa cells, using Anti-p15 INK4b antibody (ab53034). The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p15 INK4b antibody (ab53034)

Left panel: with primary antibody at 2 ug/ml. Right panel: isotype control.

Sections were stained using an automated system (Dako PT Link), at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffers EDTA pH 9.0. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors