abcam

Product datasheet

Anti-p15 INK4b antibody ab53034

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概述

产品名称	Anti-p15 INK4b抗体
描述	兔多克隆抗体to p15 INK4b
宿主	Rabbit
特异性	Detects endogenous levels of total p15 INK protein. There is 91.8% identity to CDKN2A (P42771) based on the immunogen sequence range.
经测试应用	**适用于:** WB, IHC-P, ICC/IF
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic peptide derived from human p15 INK
常规说明	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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS Without Mg+2 and Ca+2
纯度	Immunogen affinity purified
纯化说明	ab53034 was purified from rabbit antiserum by affinity chromatography using epitope specific immunogen
克隆	多克隆

同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab53034于以下的经测试应用

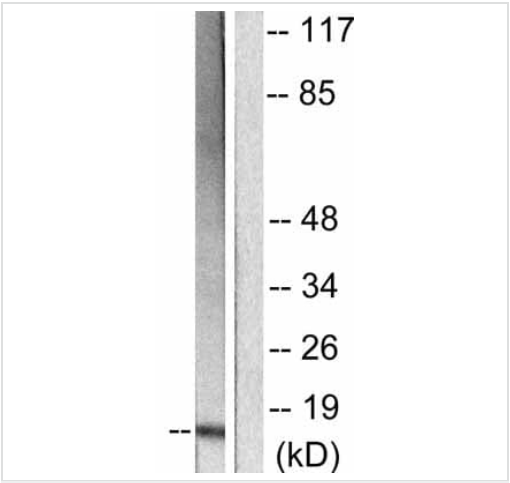
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

功能	Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.
序列相似性	Belongs to the CDKN2 cyclin-dependent kinase inhibitor family. Contains 4 ANK repeats.

图片



Western blot - Anti-p15 INK4b antibody (ab53034)

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

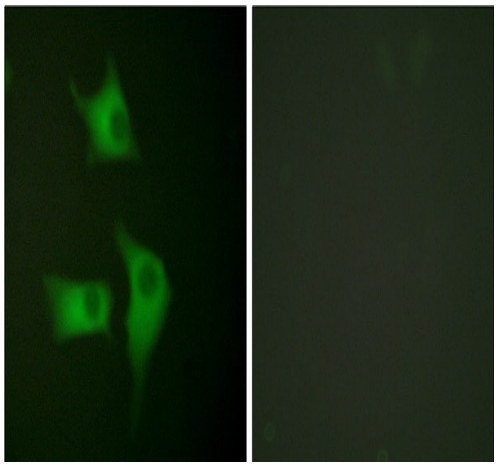
Lane 1 : HeLa cell extract
Lane 2 : HeLa cell extract with peptide

Predicted band size: 15 kDa
Observed band size: 15 kDa

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

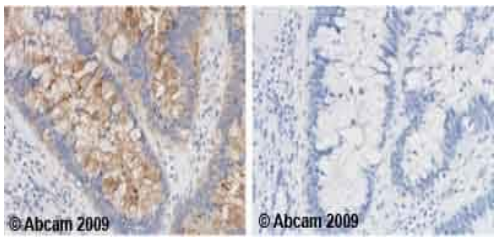
ab53034 (2µg/ml) staining p15 INK4b in human colon carcinoma. Sections were stained using an automated system (DAKO Autostainer Plus), at room temperature: sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffers EDTA pH 9.0 . Slides were peroxidase blocked in 3% H2O2 in methanol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

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