

Product datasheet

Anti-CDKN2A/p16INK4α antibody [PABLO33B] ab241543

KO VALIDATED Recombinant

[2 References](#) [3 Images](#)

Overview

Product name	Anti-CDKN2A/p16INK4a antibody [PABLO33B]
Description	Rat monoclonal [PABLO33B] to CDKN2A/p16INK4a
Host species	Rat
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Wild type mouse fibrosarcoma tissue. Mouse papilloma tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59.04% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	PABLO33B
Isotype	IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab241543 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
IHC-P		1/640.

Target

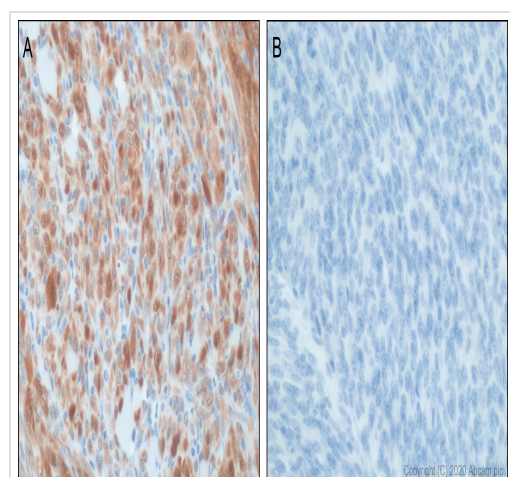
Cellular localization

Cytoplasmic and Nuclear

Form

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.

Images



Immunohistochemical analysis of paraffin-embedded Wild type mouse fibrosarcoma and p16 knock-out mouse fibrosarcoma tissue labeling CDKN2A/p16INK4a with ab241543 at 1/640 dilution (1.28 µg/mL).

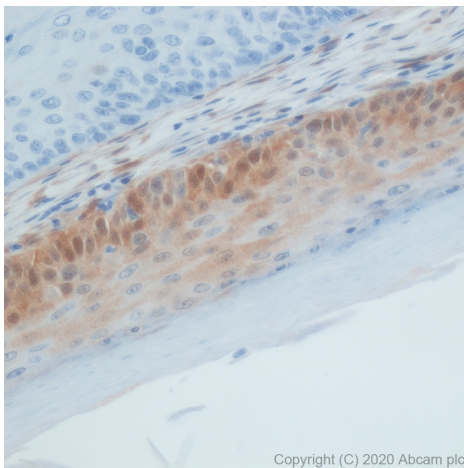
Image A: Positive staining on the wild type mouse fibrosarcoma

Image B: No staining on the p16 knock-out mouse fibrosarcoma

The experiment was done in the Discovery XT (Ventana-Rache) machine using the CC1 standard buffer. The secondary antibody was a Rabbit a-rat Biotinylated followed by OmniMap anti rabbit. Counterstained with Hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [PABLO33B] (ab241543)

The image was kindly provided by Spanish Nacional Cancer Research Centre (CNIO)



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDKN2A/p16INK4a antibody [PABLO33B] (ab241543)

The image was kindly provided by Spanish Nacional Cancer Research Centre (CNIO)

Immunohistochemical analysis of paraffin-embedded mouse papilloma tissue labeling CDKN2A/p16INK4a with ab241543 at 1/640 dilution (1.28 µg/mL). Positive staining on the mouse papilloma. The experiment was done in the Discovery XT (Ventana-Rache) machine using the CC1 standard buffer. The secondary antibody was a Rabbit a-rat Biotinylated followed by OmniMap anti rabbit. Counterstained with Hematoxylin.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CDKN2A/p16INK4a antibody [PABLO33B] (ab241543)

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

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- Response to your inquiry within 24 hours

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