abcam

Product datasheet

Anti-PPP2R1B antibody [EPR10159] ab154833

KO VALIDATED Recombinant RabMAb

3 Images

Overview

Product name	Anti-PPP2R1B antibody [EPR10159]
Description	Rabbit monoclonal [EPR10159] to PPP2R1B
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide corresponding to Human PPP2R1B. Database link: **P30154**
Positive control	Caco2 and Jurkat cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20ºC.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10159

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab154833 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		1/1000 - 1/10000. Predicted molecular weight: 66 kDa.

Application notes Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

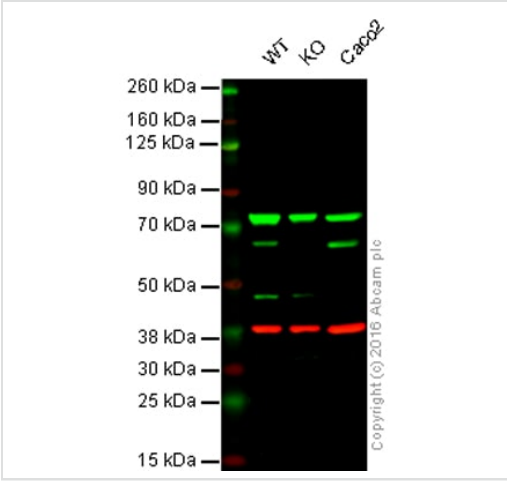
Target

Function The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.

Sequence similarities Belongs to the phosphatase 2A regulatory subunit A family.
Contains 15 HEAT repeats.

Domain Each HEAT repeat appears to consist of two alpha helices joined by a hydrophilic region, the intrarepeat loop. The repeat units may be arranged laterally to form a rod-like structure.

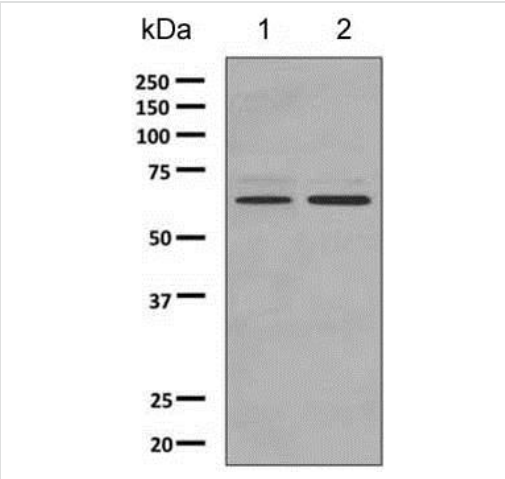
Images



Western blot - Anti-PPP2R1B antibody [EPR10159] (ab154833)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: PPP2R1B knockout HAP1 cell lysate (20 µg)
Lane 3: Jurkat cell lysate (20 µg)
Lane 4: Caco2 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab154833 observed at 67 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab154833 was shown to recognize PPP2R1B when PPP2R1B knockout samples were used, along with additional cross-reactive bands. Wild-type and PPP2R1B knockout samples were subjected to SDS-PAGE. ab154833 and **ab8245** (loading control to GAPDH) were diluted 1/1000 and 1/10000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-PPP2R1B antibody [EPR10159] (ab154833)

All lanes : Anti-PPP2R1B antibody [EPR10159] (ab154833) at 1/1000 dilution

Lane 1 : Caco2 cell lysate

Lane 2 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 66 kDa

Anti-PPP2R1B antibody [EPR10159] (ab154833)

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

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