

Anti-PPP2R5E antibody [EPR17146] ab198290

敲除验证
重组
RabMAb

7 图像

概述

产品名称	Anti-PPP2R5E抗体[EPR17146]
描述	兔单克隆抗体[EPR17146] to PPP2R5E
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, HEK-293T, Daudi, C6 and NIH/3T3 cell lysates; Human pancreas and fetal brain tissue lysate; Mouse and rat brain tissue lysates. ICC/IF: C6 cells.
常规说明	<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> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17146
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab198290于以下的经测试应用

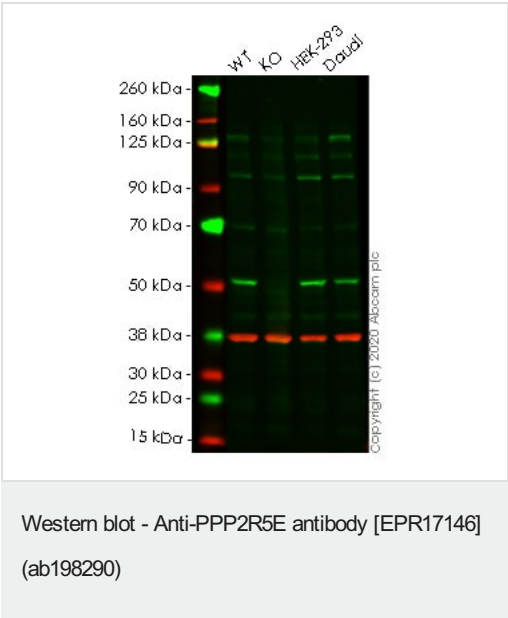
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
ICC/IF		1/500.

靶标

功能	The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.
序列相似性	Belongs to the phosphatase 2A regulatory subunit B56 family.
翻译后修饰	Phosphorylated on serine residues.
细胞定位	Cytoplasm.

图片



All lanes : Anti-PPP2R5E antibody [EPR17146] (ab198290) at 1/1000 dilution

- Lane 1 :** Wild-type HeLa cell lysate
- Lane 2 :** PPP2R5E knockout HeLa cell lysate
- Lane 3 :** HEK-293 cell lysate
- Lane 4 :** Daudi cell lysate

Lysates/proteins at 20 µg per lane.

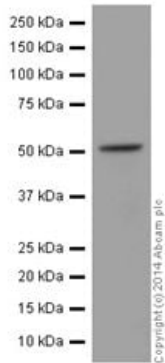
Performed under reducing conditions.

Predicted band size: 55 kDa

Lanes 1-4: Merged signal (red and green). Green - ab198290 observed at 55 kDa. Red - loading control **ab8245** observed at 37 kDa.

ab198290 Anti-PPP2R5E antibody [EPR17146] was shown to specifically react with PPP2R5E in wild-type HeLa cells. Loss of

signal was observed when knockout cell line [ab265637](#) (knockout cell lysate [ab258135](#)) was used. Wild-type and PPP2R5E knockout samples were subjected to SDS-PAGE. ab198290 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-PPP2R5E antibody [EPR17146] (ab198290)

Anti-PPP2R5E antibody [EPR17146] (ab198290) at 1/1000 dilution + 293 (Human epithelial cells from embryonic kidney) cell lysate at 20 µg

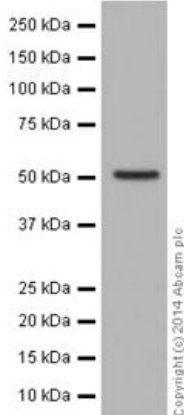
Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PPP2R5E antibody [EPR17146] (ab198290)

Anti-PPP2R5E antibody [EPR17146] (ab198290) at 1/1000 dilution + Human fetal brain lysate at 10 µg

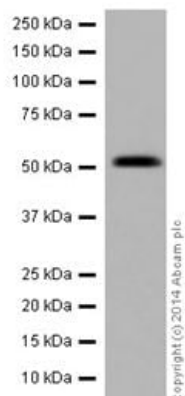
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PPP2R5E antibody [EPR17146]
(ab198290)

Anti-PPP2R5E antibody [EPR17146] (ab198290) at 1/1000
dilution + Human pancreas lysate at 10 µg

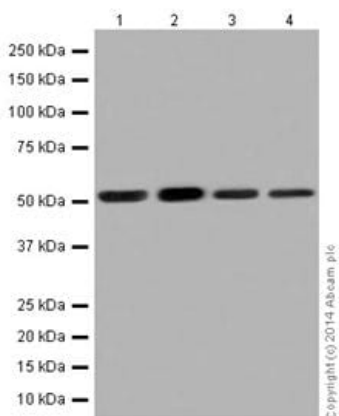
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PPP2R5E antibody [EPR17146]
(ab198290)

All lanes : Anti-PPP2R5E antibody [EPR17146] (ab198290) at
1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Lane 3 : C6 (Rat glial tumor cell) lysate

Lane 4 : NIH/3T3 (Mouse embryo fibroblast cells) lysate

Lysates/proteins at 10 µg per lane.

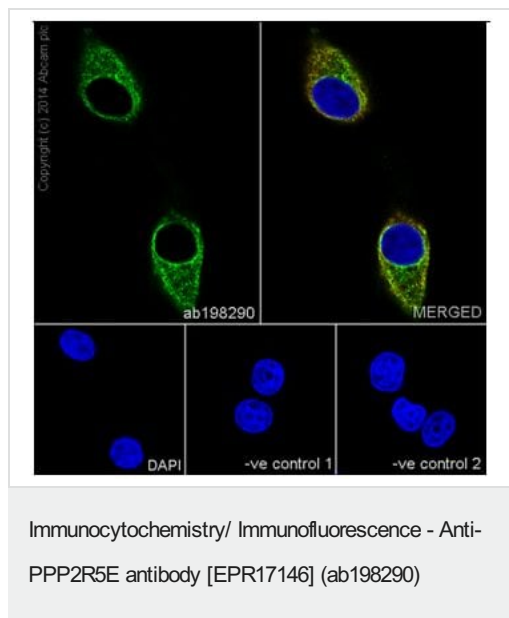
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Blocking/dilution buffer: 5% NFDM/TBST.



Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized C6 (Rat glial tumor) cells labeling PPP2R5E with ab198290 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/500 dilution (green). Cytoplasm staining on C6 cell line is observed. The nuclear counterstain is DAPI (blue). Tubulin is detected with [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution and [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:-

-ve control 1 - ab198290 at 1/500 dilution followed by [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2. - [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution followed by [ab150077](#) (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.

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-PPP2R5E antibody [EPR17146] (ab198290)

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