

Anti-PPP2R5D antibody [EPR15617] ab188323

敲除验证
重组
RabMAb

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概述

产品名称	Anti-PPP2R5D抗体[EPR15617]
描述	兔单克隆抗体[EPR15617] to PPP2R5D
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
种属反应性	与反应: Rat, Human 预测可用于: Mouse 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A431, MCF7, C6, HepG2, Jurkat, HeLa, 293T cell lysate. IHC-P: Human brain tissue. IP: HEK293 cells. Flow Cyt (intra): HeLa 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	EPR15617

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab188323于以下的经测试应用

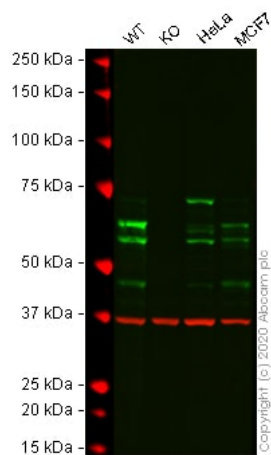
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/40. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Detects a band of approximately 58, 66, 70 kDa (predicted molecular weight: 70 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/250.
IP		1/40 - 1/60.

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.
组织特异性	Isoform Delta-2 is widely expressed. Isoform Delta-1 is highly expressed in brain.
序列相似性	Belongs to the phosphatase 2A regulatory subunit B56 family.
细胞定位	Cytoplasm. Nucleus. Nuclear in interphase, nuclear during mitosis.

图片



Western blot - Anti-PPP2R5D antibody [EPR15617] (ab188323)

All lanes : Anti-PPP2R5D antibody [EPR15617] (ab188323) at 1/10000 dilution

Lane 1 : Wild-type A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : PPP2R5D knockout A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 4 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

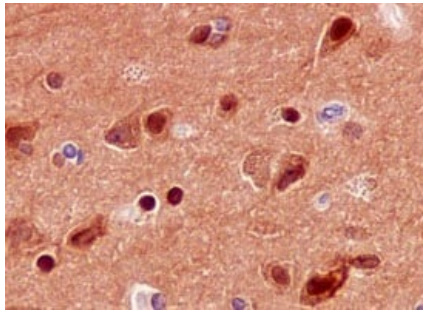
Performed under reducing conditions.

Predicted band size: 70 kDa

Observed band size: 60-65 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab188323 observed at 60-65 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

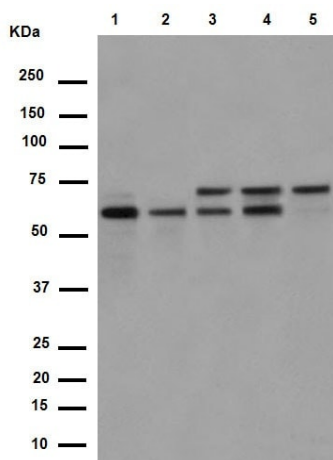
ab188323 was shown to react with PPP2R5D in wild-type A431 cells in western blot with loss of signal observed in PPP2R5D knockout sample. Wild-type and PPP2R5D knockout A431 cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with ab188323 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 10000 Dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPP2R5D antibody [EPR15617] (ab188323)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling PPP2R5D using ab188323 at 1/100 dilution. A Ready to use HRP Polymer for Rabbit IgG (prediluted) was used as secondary. Counterstain: Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-PPP2R5D antibody [EPR15617] (ab188323)

All lanes : Anti-PPP2R5D antibody [EPR15617] (ab188323) at 1/100000 dilution

- Lane 1** : C6 cell lysate
- Lane 2** : HepG2 cell lysate
- Lane 3** : 293T cell lysate
- Lane 4** : HeLa cell lysate
- Lane 5** : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

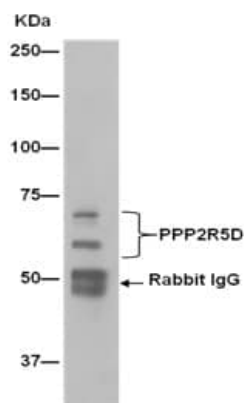
Secondary

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

Predicted band size: 70 kDa

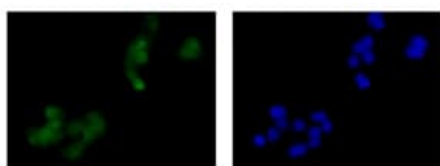
Observed band size: 70 kDa

Based on the sequence analysis, ab188323 recognizes 3 isoforms with the predicted MWs of 58KDa, 66KDa and 70KDa, respectively.



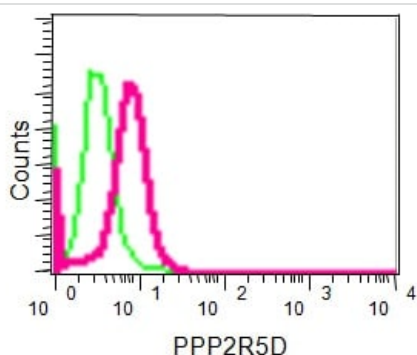
Immunoprecipitation - Anti-PPP2R5D antibody
[EPR15617] (ab188323)

Immunoprecipitation analysis of 293T cell lysate labeling PPP2R5D using ab188323 at 1/50 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1500 was used as secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-
PPP2R5D antibody [EPR15617] (ab188323)





Immunofluorescence analysis of HepG2 cells labeling PPP2R5D using ab188323 at 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor488) at 1/200 dilution was used as secondary antibody. Cells were fixed with 4% Paraformaldehyde. Counterstain: DAPI.



Flow Cytometry (Intracellular) - Anti-PPP2R5D
antibody [EPR15617] (ab188323)

Intracellular Flow Cytometry analysis of HeLa cells labeling PPP2R5D using ab188323 at 1/40 dilution (pink). A Goat anti rabbit IgG (FITC) at 1/150 dilution was used as secondary antibody. Cells were fixed with 2% paraformaldehyde. Isotype control: Rabbit monoclonal IgG (green).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-PPP2R5D antibody [EPR15617] (ab188323)

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