


Anti-PPP1R1A antibody [EP902Y] ab40877

重组 RabMAb

13 References [5 图像](#)

概述

产品名称	Anti-PPP1R1A抗体[EP902Y]
描述	兔单克隆抗体[EP902Y] to PPP1R1A
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, IHC-P
种属反应性	与反应: Rat, Human 预测可用于: Mouse 
免疫原	Synthetic peptide within Human PPP1R1A aa 1-100 (N terminal). The exact sequence is proprietary.
阳性对照	Brain tissue/lysate
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EP902Y

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab40877于以下的经测试应用

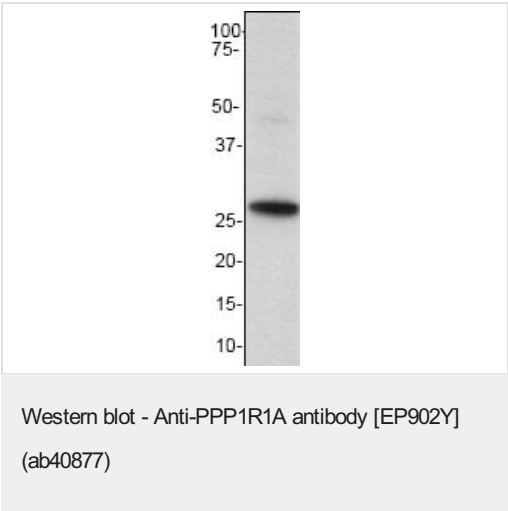
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/100000. Detects a band of approximately 27 kDa (predicted molecular weight: 19 kDa).
ICC/IF		Use a concentration of 5 µg/ml.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

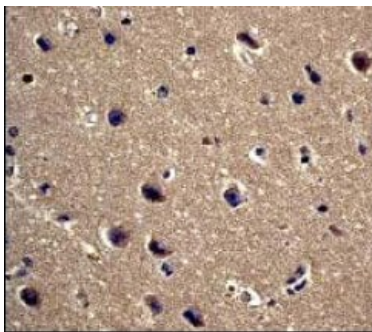
功能	Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.
序列相似性	Belongs to the protein phosphatase inhibitor 1 family.
翻译后修饰	Phosphorylation of Thr-35 is required for activity.

图片



Anti-PPP1R1A antibody [EP902Y] (ab40877) at 1/40000 dilution + Rat brain tissue lysate at 10 µg

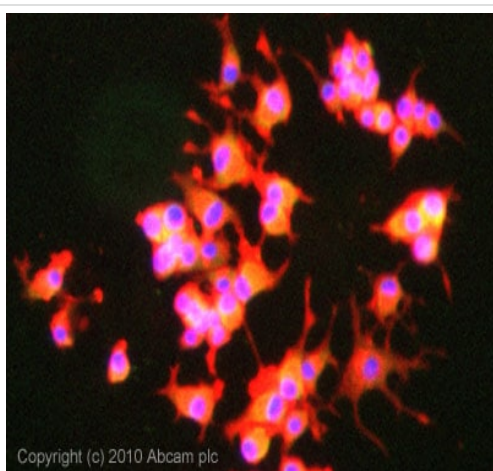
Predicted band size: 19 kDa
Observed band size: 27 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPP1R1A antibody [EP902Y] (ab40877)

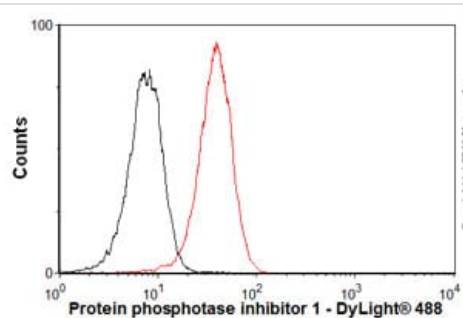
Immunohistochemical analysis of paraffin-embedded human normal brain tissue using ab40877 diluted 1:100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-PPP1R1A antibody [EP902Y] (ab40877)

ICC/IF image of ab40877 stained PC12 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab40877, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Flow Cytometry (Intracellular) - Anti-PPP1R1A antibody [EP902Y] (ab40877)

Overlay histogram showing SH-SY5Y cells stained with ab40877 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab40877, 1/20 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in SH-SY5Y cells fixed with 80% methanol/permeabilized in 0.1% PBS-Tween used under the same conditions.

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-PPP1R1A antibody [EP902Y] (ab40877)

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