

Anti-PPP1CB antibody ab154600

★★★★★ [1 Abreviews](#) [1 References](#) [4 图像](#)

概述

产品名称	Anti-PPP1CB抗体
描述	兔多克隆抗体to PPP1CB
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Chicken, Cow, Dog, Pig, Xenopus laevis, Zebrafish, Xenopus tropicalis 
免疫原	Recombinant fragment corresponding to Human PPP1CB aa 1-274.
阳性对照	293T, A431, H1299, HeLaS3, HepG2, Molt-4 and Raji whole cell lysate. Mouse brain whole cell lysate. HeLa cells.
常规说明	Keep as concentrated solution. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

The Abpromise guarantee **Abpromise™**承诺保证使用ab154600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		1/500 - 1/3000. Predicted molecular weight: 37 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
ICC/IF	★★★★★ (1)	1/100 - 1/1000.

靶标

功能

Protein phosphatase that associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets. Protein phosphatase (PP1) is essential for cell division, it participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Involved in regulation of ionic conductances and long-term synaptic plasticity. Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase. In balance with CSNK1D and CSNK1E, determines the circadian period length, through the regulation of the speed and rhythmicity of PER1 and PER2 phosphorylation. May dephosphorylate CSNK1D and CSNK1E. Dephosphorylates the 'Ser-418' residue of FOXP3 in regulatory T-cells (Treg) from patients with rheumatoid arthritis, thereby inactivating FOXP3 and rendering Treg cells functionally defective (PubMed:23396208).

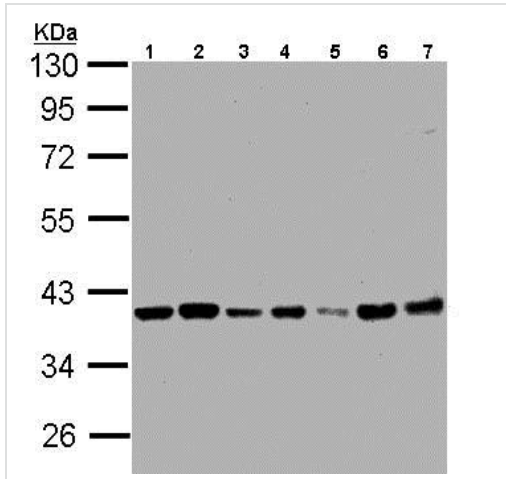
序列相似性

Belongs to the PPP phosphatase family. PP-1 subfamily.

细胞定位

Cytoplasm. Nucleus. Nucleus, nucleoplasm. Nucleus, nucleolus. Highly mobile in cells and can be relocalized through interaction with targeting subunits. In the presence of PPP1R8 relocalizes from the nucleus to nuclear speckles.

图片



Western blot - Anti-PPP1CB antibody (ab154600)

All lanes : Anti-PPP1CB antibody (ab154600) at 1/1000 dilution

Lane 1 : 293T whole cell lysate

Lane 2 : A431 whole cell lysate

Lane 3 : H1299 whole cell lysate

Lane 4 : HeLa S3 whole cell lysate

Lane 5 : Hep G2 whole cell lysate

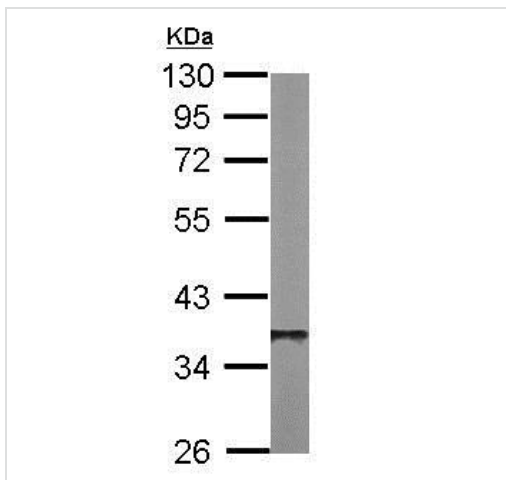
Lane 6 : MOLT4 whole cell lysate

Lane 7 : Raji whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 37 kDa

7.5% SDS PAGE

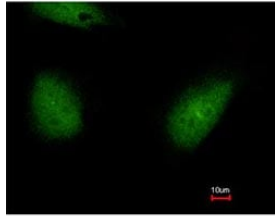


Western blot - Anti-PPP1CB antibody (ab154600)

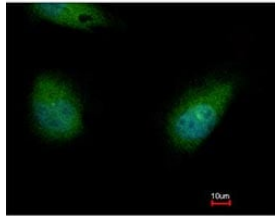
Anti-PPP1CB antibody (ab154600) at 1/1000 dilution + Mouse brain whole cell lysate at 50 µg

Predicted band size: 37 kDa

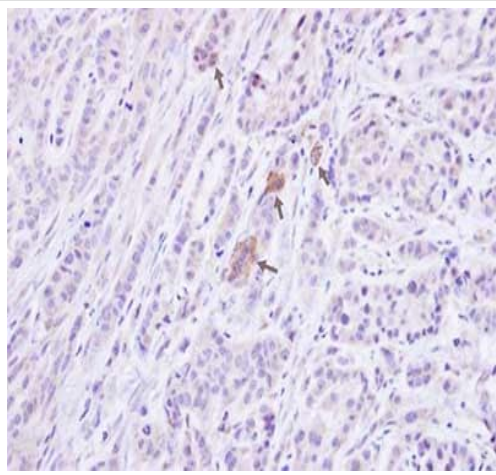
10% SDS PAGE



Immunofluorescent analysis of paraformaldehyde-fixed HeLa cells labeling PPP1CB with ab154600 at 1/500 dilution. Lower panel is co-stained with Hoechst 33342.



Immunocytochemistry/ Immunofluorescence - Anti-PPP1CB antibody (ab154600)



Immunohistochemical analysis of paraffin-embedded A549 xenograft labelling PPP1CB with ab154600 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPP1CB antibody (ab154600)

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