abcam

Product datasheet

Anti-PPP2CB antibody ab72450

1 Image

Overview

Product name	Anti-PPP2CB antibody
Description	Rabbit polyclonal to PPP2CB
Host species	Rabbit
Specificity	This antibody recognizes a region of PP2A beta that is highly conserved with PP2A alpha.
Tested applications	**Suitable for:** WB **Unsuitable for:** IP
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat, Horse, Guinea pig, Dog, Ferret, Zebrafish, Rhesus monkey, Gorilla
Immunogen	Synthetic peptide corresponding to Human PP2A beta. A synthetic peptide corresponding to a region between residues 1 and 50 of human PP2A beta.
Positive control	HeLa whole cell lysate; 293T and mouse NIH3T3 cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Affinity purified using an epitope specific to PP2A immobilized on solid support. Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab72450 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		1/2000 - 1/10000. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).

Application notes Is unsuitable for IP.

Target

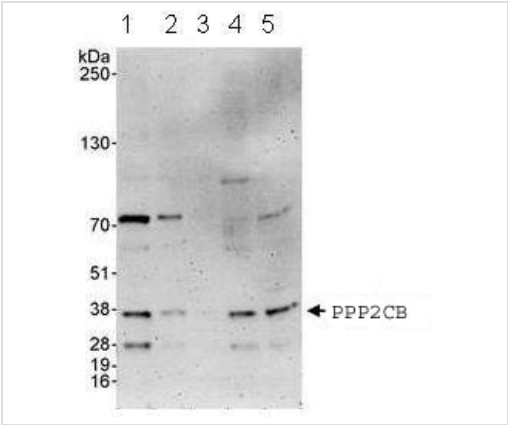
Function PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.

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

Post-translational modifications Reversibly methyl esterified on Leu-309. Carboxyl methylation may play a role in holoenzyme assembly. It varies during the cell cycle. Demethylated by PME1 (in vitro).
Phosphorylation of either threonine (by autophosphorylation-activated protein kinase) or tyrosine results in inactivation of the phosphatase. Auto-dephosphorylation has been suggested as a mechanism for reactivation.

Cellular localization Cytoplasm. Nucleus. Chromosome > centromere. Cytoplasm > cytoskeleton > spindle pole. In prometaphase cells, but not in anaphase cells, localizes at centromeres. During mitosis, also found at spindle poles.

Images



Western blot - Anti-PP2A beta antibody (ab72450)

All lanes : Anti-PPP2CB antibody (ab72450) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg
Lane 2 : HeLa whole cell lysate at 15 µg
Lane 3 : HeLa whole cell lysate at 5 µg
Lane 4 : 293T whole cell lysate at 50 µg
Lane 5 : Mouse NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 36 kDa
Observed band size: 36 kDa
Additional bands at: 100 kDa, 28 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors