

For Research Use Only

PPP1CB Recombinant antibody

Catalog Number: 84938-5-RR



Basic Information

Catalog Number:

84938-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0183

GenBank Accession Number:

BC002697

GeneID (NCBI):

5500

UNIPROT ID:

P62140

Full Name:

protein phosphatase 1, catalytic subunit, beta isoform

Calculated MW:

37 kDa

Observed MW:

35-37 kDa

Purification Method:

Protein A purification

CloneNo.:

242547H7

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A431 cells, HeLa cells, HepG2 cells, MCF- cells, Jurkat cells, mouse brain tissue, rat brain tissue

IF/ICC : MCF-7 cells, A549 cells

Background Information

Protein phosphatase 1 (PP1) is the main eukaryotic protein serine/threonine phosphatase that regulates an enormous variety of cellular processes including protein-protein interactions, gene transcription, cell-cycle progression and apoptosis. It is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. The catalytic subunit of PP1 (PP1c) can interact with amount of regulatory subunits in vivo that target it to particular subcellular locations and regulate its activity towards specific substrates.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

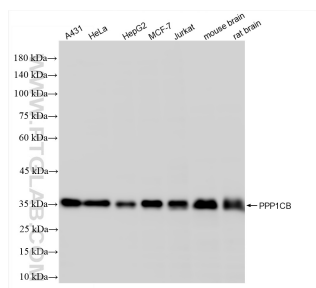
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E: Proteintech-CN@ptglab.com

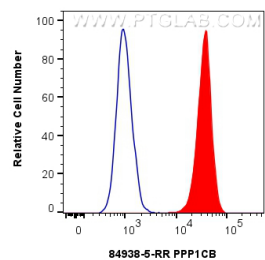
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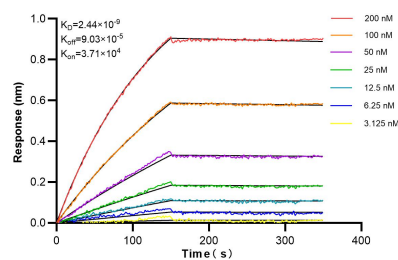
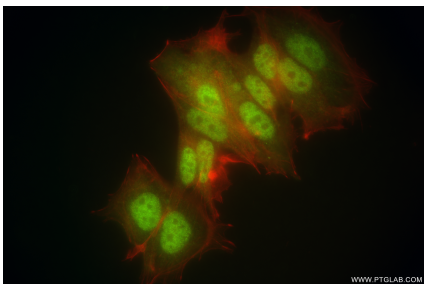
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84938-5-RR (PPP1CB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug PPP1CB Recombinant antibody (84938-5-RR, Clone:242547H7) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84938-5-RR against Human PPP1CB were performed. The affinity constant is 2.44 nM.