For Research Use Only

CoraLite® Plus 488-conjugated PPP2R2A/B/C Monoclonal antibody

Catalog Number:CL488-67783

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-67783

Size:
1000 ug/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG30774

GenBank Accession Number:
BC031790

GeneID (NCBI):
5521

UNIPROT ID:
Q00005

Full Name:
protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform

Calculated MW:
443 aa, 52 kDa

Observed MW:
52 kDa

Purification Method:
Protein G purification

CloneNo.:
2E1D5

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat, pig, rabbit

Positive Controls:

IF/ICC : SH-SY5Y cells,

Background Information

The PPP2R2B gene encodes a deduced 443-amino acid protein of approximately 52 kDa,which is a brain-specific regulatory subunit B of protein phosphatase 2. PPP2R2B is a Subunit of PP2A, a highly conserved constitutive enzyme(PMID:11719278). PPP2R2B (Bβ) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms Bβ 1 and Bβ 2 with divergent sub-cellular targeting N termini are produced. Bβ plays an important role in neuronal survival. It has 5 isoforms produced by alternative splicing.

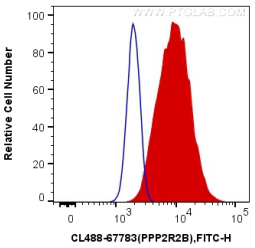
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

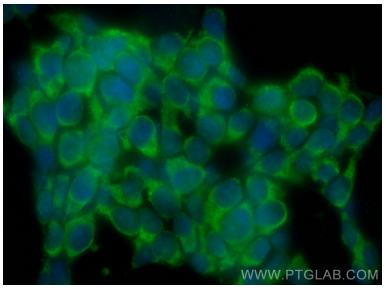
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PPP2R2B (CL488-67783, Clone:2E1D5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 PPP2R2A/B/C antibody (CL488-67783, Clone: 2E1D5) at dilution of 1:200.