

For Research Use Only

CoraLite® Plus 488-conjugated PPP2R2B Monoclonal antibody



Catalog Number: **CL488-67783**

Basic Information

Catalog Number: CL488-67783	GenBank Accession Number: BC031790	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5521	CloneNo.: 2E1D5
Source: Mouse	Full Name: protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG1	Calculated MW: 443 aa, 52 kDa	
Immunogen Catalog Number: AG30774	Observed MW: 52 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat, Pig, Rabbit

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 Bβ1 and Bβ2 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.

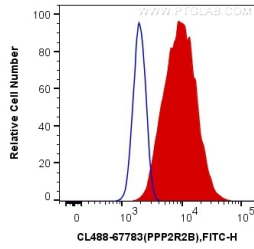
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ 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).