For Research Use Only

CoraLite® Plus 488-conjugated PPP1R15B Polyclonal antibody

Catalog Number:CL488-14634 Featured Product

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

Basic Information

Catalog Number:
CL488-14634

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6213

GenBank Accession Number:
BC065280

GeneID (NCBI):
84919

Full Name:
protein phosphatase 1, regulatory (inhibitor) subunit 15B

Calculated MW:
79 kDa

Observed MW:
100-110 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF : SH-SY5Y cells,

Background Information

Protein phosphatase 1 regulatory subunit 15B(PPP1R15B) is a member of PPP1R15 family, it forms a complex with protein phosphatase1(PP1) and NCK1/2, maintaining low levels of EIF2S1 phosphorylation in unstressed cells, thus is also named constitutive repressor of eIF2alpha phosphorylation (CReP). PPP1R15B is assoicated in endoplasmic reticulum (ER) stress response resulting to a role in translation regulation. Knock-down of PPP1R15B strongly protected mammalian cells against oxidative stress, peroxynitrite stress, and more modestly against accumulation of malfolded proteins in the ER. Recently, PPP1R15B was found to associate with cell membranes and regulate membrane traffic in a PP1c-independent manner, suggesting a novel link between translation and traffic. MW of PPP1R15B is 80 kDa. Observed MW of PPP1R15B is from 100-110 kDa maybe due to phosphorylation (PMID: 28492545).

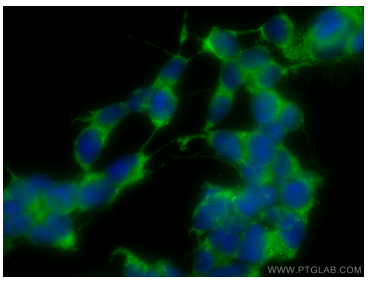
Storage

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)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 PPP1R15B antibody (CL488-14634) at dilution of 1:200.