

For Research Use Only

CoraLite® Plus 488-conjugated GPHN Monoclonal antibody



Catalog Number: CL488-67995

Basic Information

Catalog Number: CL488-67995	GenBank Accession Number: BC030016	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 10243	CloneNo.: 1D7C4
Source: Mouse	UNIPROT ID: Q9NQX3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: gephyrin	
Immunogen Catalog Number: AG23708	Calculated MW: 769 aa, 83 kDa	
	Observed MW: 93 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

Gephyrin (GPHN) is an organizational protein that clusters and localizes the inhibitory glycine receptor (GlyR) and GABAA receptors to the microtubular matrix of the neuronal postsynaptic membrane. Mice deficient in gephyrin develop a hereditary molybdenum cofactor deficiency and a neurological phenotype that mimics startle disease (hyperekplexia). In non-neuronal tissues, the encoded protein is also required for molybdenum cofactor biosynthesis. Two isoforms produced by alternative splicing have been described. The observed MW of Gephyrin is 93 kDa, larger than the predicted of 83 kDa, which may be due to the modifications on various phosphorylation sites.

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:

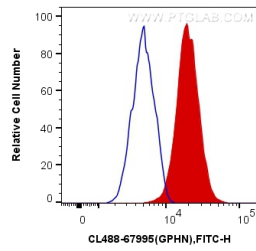
T: 4006900926

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



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human GPHN (CL488-67995, Clone:1D7C4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).