

For Research Use Only

CoraLite® Plus 488-conjugated PSD95-Specific Recombinant monoclonal antibody

Catalog Number: **CL488-81106**



Basic Information

Catalog Number: CL488-81106	GenBank Accession Number: NM_001365	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1742	CloneNo.: 1122
Isotype: IgG	UNIPROT ID: P78352	Recommended Dilutions: IF-P: 1:50-1:500
	Full Name: discs, large homolog 4 (Drosophila)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 85 kDa	
	Observed MW: 90-95 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: rat brain tissue,
Species Specificity: human, mouse, rat	

Background Information

PSD-95 (postsynaptic density protein 95) also known as SAP-90 (synapse-associated protein 90) is a protein that in humans is encoded by the DLG4 (disks large homolog 4) gene. PSD-95 is a scaffolding protein of the MAGUK protein family, and engages in several vital protein-protein interactions in the brain with its PDZ domains. It has been suggested that PSD-95 is composed of two supramodules, one of which is the PDZ1-2 tandem domain. It plays an important role in synaptic plasticity and the stabilization of synaptic changes during long-term potentiation. Observed MW of PSD95 is 90-95 kDa due to phosphorylation (PMID: 20682303).

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

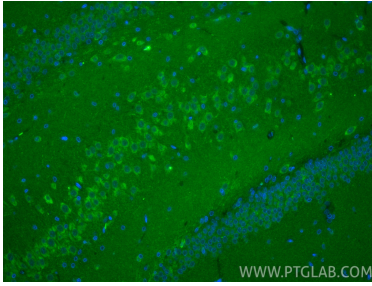
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using CoraLite® Plus 488 PSD95-Specific antibody (CL488-81106, Clone: 1122) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).