

For Research Use Only



CoraLite® Plus 488-conjugated PSD95-Specific,DLG4 Polyclonal antibody

Catalog Number: **CL488-20665**

Featured Product

Basic Information

Catalog Number:
CL488-20665

Size:
1000 µg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001365

GeneID (NCBI):
1742

UNIPROT ID:
P78352

Full Name:
discs, large homolog 4 (Drosophila)

Calculated MW:
85 kDa

Observed MW:
90-95 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF-P 1:50-1:500

Excitation/Emission maxima
wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF-P

Species Specificity:
human, mouse, rat

Positive Controls:

IF-P: mouse brain tissue,

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

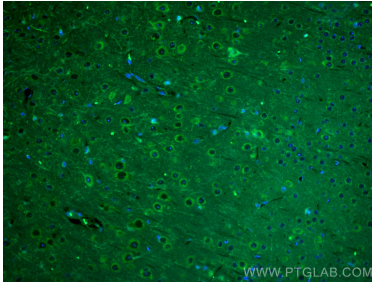
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 PSD95-Specific,DLG4 antibody (CL488-20665) at dilution of 1:200.