

For Research Use Only

CoraLite® Plus 647-conjugated PSD95-Specific Recombinant monoclonal antibody

Catalog Number: CL647-81106



Basic Information

Catalog Number:

CL647-81106

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:

Protein A purification

CloneNo.:

1122

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima

wavelengths:

654 nm / 674 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 (discs 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 mouse brain tissue using CoraLite® Plus 647 PSD95-Specific antibody (CL647-81106, Clone: 1122) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).