

For Research Use Only

PSD95-Specific,DLG4 Recombinant antibody, PBS Only



Catalog Number:81106-1-PBS

Basic Information

Catalog Number:

81106-1-PBS

Size:

1 mg/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:

Protein A purification

CloneNo.:

1122

Applications

Tested Applications:

WB,Indirect ELISA,IHC,IF

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 -80°C.

Storage Buffer:

PBS Only

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

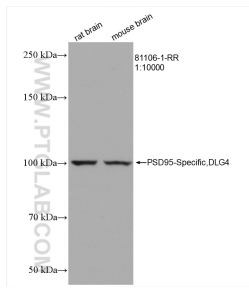
T: 4006900926

E: Proteintech-CN@ptglab.com

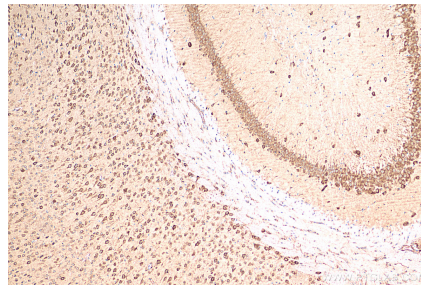
W: ptgcn.com

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

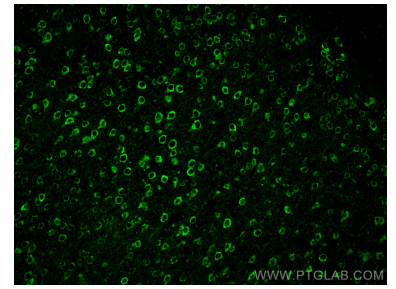
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81106-1-RR (PSD95-Specific,DLG4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81106-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 81106-1-RR (PSD95-Specific,DLG4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81106-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using PSD95-Specific,DLG4 antibody (81106-1-RR, Clone: 1122) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81106-1-PBS in a different storage buffer formulation.