

For Research Use Only

PSD95 Polyclonal antibody

Catalog Number: 30255-1-AP

10 Publications



Basic Information

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| Catalog Number: 30255-1-AP | GenBank Accession Number: NM_001365 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 450 ug/ml by Nanodrop; | GeneID (NCBI): 1742 | Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P78352 | |
| Isotype: IgG | Full Name: discs, large homolog 4 (Drosophila) | |
| Immunogen Catalog Number: AG33000 | Calculated MW: 81 kDa | |
| | Observed MW: 90-95 kDa | |

Applications

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| Tested Applications: WB, IHC, ELISA | Positive Controls: WB : mouse brain tissue, rat brain tissue |
| Cited Applications: WB, IF | IHC : mouse brain tissue, |
| Species Specificity: Human, mouse, rat | |
| Cited Species: human, mouse, rat | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|---------------------|-------------|
| Lei Wu | 40074096 | J Ethnopharmacol | WB |
| Junze Tang | 40071363 | Actas Esp Psiquiatr | WB |
| Yini Zhang | 39733799 | J Ethnopharmacol | |

Storage

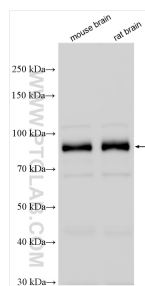
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

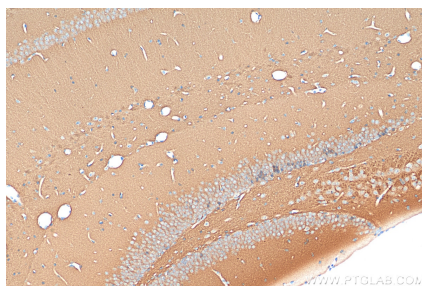
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30255-1-AP (PSD95 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30255-1-AP (PSD95 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).