

For Research Use Only

# PSD95 Polyclonal antibody

Catalog Number: 30255-1-AP

7 Publications



## Basic Information

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

## Applications

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

## 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
Bo Pang	39611623	Behav Pharmacol	WB
Tianke Huang	39335583	Biomedicines	WB
Xi Yu	38865202	FASEB J	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

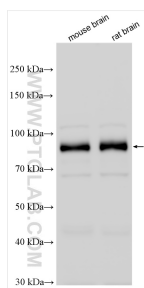
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

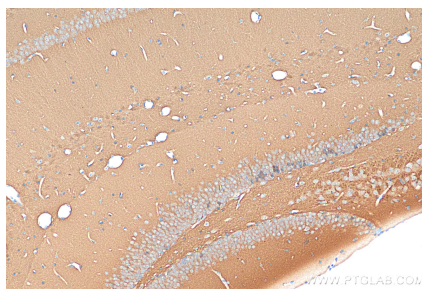
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## Selected Validation Data



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).