

For Research Use Only

SAP102 Polyclonal antibody

Catalog Number: 18036-1-AP **2 Publications**



Basic Information

Catalog Number: 18036-1-AP	GenBank Accession Number: BC093864	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 1741	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	UNIPROT ID: Q92796	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: discs, large homolog 3 (Drosophila)	IHC 1:250-1:1000
Immunogen Catalog Number: AG12658	Calculated MW: 817 aa, 90 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: IHC, WB	IP : mouse brain tissue,
Species Specificity: human, mouse, rat	IHC : mouse brain tissue,
Cited Species: human, mouse	
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

Synapse-associated protein 102 (SAP102), also known as DLG3, is a MAGUK that is highly expressed early in development and mediates receptor trafficking during synaptogenesis. The importance of SAP102 function in brain development is demonstrated by the fact that SAP102 mutations have been identified in human patients with nonsyndromic X-linked mental retardation (XLMR). SAP102 has critical roles in early cortical synapse development.

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Liu	31271664	Clin Exp Pharmacol Physiol	IHC
Ping Lu	38142716	J Nutr Biochem	WB

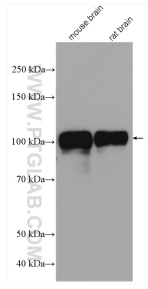
Storage

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

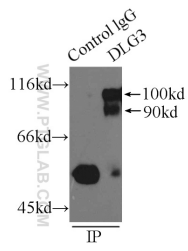
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

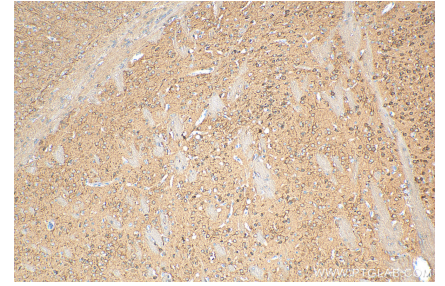
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18036-1-AP (SAP102 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-SAP102 (IP:18036-1-AP, 3ug; Detection:18036-1-AP 1:3000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18036-1-AP (SAP102 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).