

For Research Use Only

# SAP102 Monoclonal antibody, PBS Only



Catalog Number: 67102-1-PBS

## Basic Information

Catalog Number:	67102-1-PBS	GenBank Accession Number:	BC093864	Purification Method:	Protein G purification
Size:	1 mg/ml	GeneID (NCBI):	1741	CloneNo.:	1F6A10
Source:	Mouse	UNIPROT ID:	Q92796		
Isotype:	IgG1	Full Name:	discs, large homolog 3 (Drosophila)		
Immunogen Catalog Number:	AG28589	Calculated MW:	817 aa, 90 kDa		
		Observed MW:	90-100 kDa		

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC

**Species Specificity:**  
Human, Pig, Mouse, Rat

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

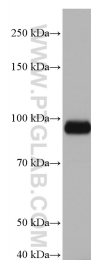
T: 4006900926

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

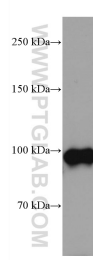
W: [ptgcn.com](http://ptgcn.com)

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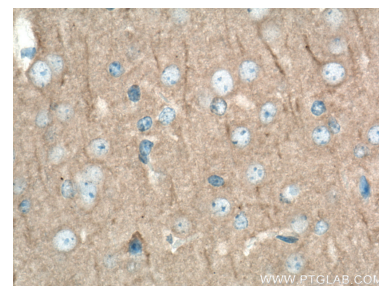
## Selected Validation Data



pig brain tissue were subjected to SDS PAGE followed by western blot with 67102-1-Ig (SAP102 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67102-1-PBS in a different storage buffer formulation.



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 67102-1-Ig (SAP102 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67102-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67102-1-Ig (SAP102 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67102-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67102-1-Ig (SAP102 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67102-1-PBS in a different storage buffer formulation.