

SAP102 Monoclonal antibody

Catalog Number: 67102-1-Ig

Basic Information

Catalog Number: 67102-1-Ig	GenBank Accession Number: BC093864	Purification Method: Protein G purification
Size: 1900 µg/ml	GeneID (NCBI): 1741	CloneNo.: 1F6A10
Source: Mouse	UNIPROT ID: Q92796	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:250-1:1000
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: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, Pig, Mouse, Rat	WB : pig brain tissue, mouse cerebellum tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,

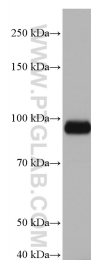
Background Information

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.

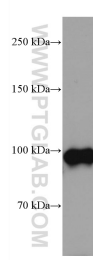
Storage

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

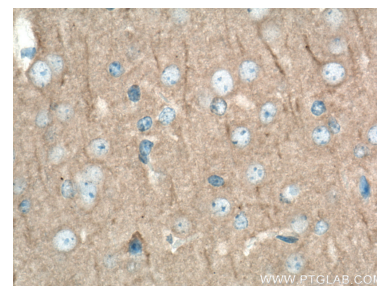
Selected Validation Data



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.



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.



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).



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).