

For Research Use Only

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: 150ul , Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1741	CloneNo.: 1F6A10
Source: Mouse	Full Name: discs, large homolog 3 (Drosophila)	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:250-1:1000
Isotype: IgG1	Calculated MW: 817 aa, 90 kDa	
Immunogen Catalog Number: AG28589	Observed MW: 90-100 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Pig, 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**

Positive Controls:

WB : pig brain tissue, mouse cerebellum tissue, rat
brain tissue

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

*** 20ul sizes contain 0.1% BSA

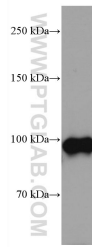
For technical support and original validation data for this product please contact:

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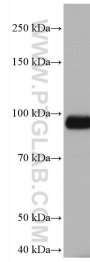
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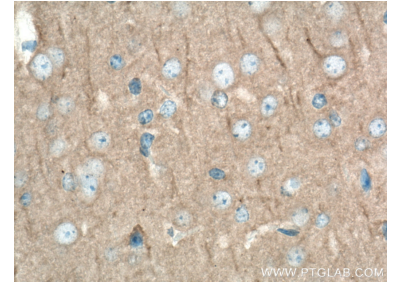
Selected Validation Data



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.



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.



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).