

For Research Use Only

SYNPO Polyclonal antibody

Catalog Number: 29662-1-AP

1 Publications



Basic Information

Catalog Number: 29662-1-AP	GenBank Accession Number: BC146665	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 230 ug/ml by Nanodrop;	GeneID (NCBI): 11346	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8N3V7	
Isotype: IgG	Full Name: synaptopodin	
Immunogen Catalog Number: AG31287	Calculated MW: 929 aa, 99 kDa	
	Observed MW: 44 kDa, 74-100 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: WB	IF/ICC : U2OS cells,
Species Specificity: Human, mouse, rat	
Cited Species: mouse	

Background Information

Synaptopodin is a actin-associated protein expressed in mature dendritic spines and renal podocytes. Several isoforms of synaptopodin have been reported: the 100 kDa neural form and 110 kDa renal form. 44-45 kDa may represent the degradation product of synaptopodin. As a podocyte specific protein, synaptopodin expression level was decreased in kidney but increased in the urinary podocytes from patients with preeclampsia, indicating that synaptopodin is a useful marker for preeclampsia. (15841212, 10555072)

Notable Publications

Author	Pubmed ID	Journal	Application
Peipei Zhang	39329410	Arch Physiol Biochem	WB

Storage

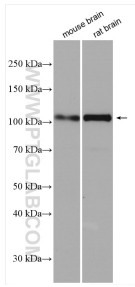
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29662-1-AP (SYNPO antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using SYNPO antibody (29662-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



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