

For Research Use Only

SYNPO Polyclonal antibody

Catalog Number: 29662-1-AP

1 Publications



Basic Information

Catalog Number:

29662-1-AP

Size:

230 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31287

GenBank Accession Number:

BC146665

GeneID (NCBI):

11346

UNIPROT ID:

Q8N3V7

Full Name:

synaptopodin

Calculated MW:

929 aa, 99 kDa

Observed MW:

44 kDa, 74-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IF/ICC : U2OS cells,

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

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

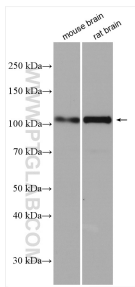
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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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