

For Research Use Only

SYNPO Polyclonal antibody

Catalog Number: 21064-1-AP

64 Publications



Basic Information

Catalog Number:

21064-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15089

GenBank Accession Number:

BC146665

GeneID (NCBI):

11346

UNIPROT ID:

Q8N3V7

Full Name:

synaptopodin

Calculated MW:

929 aa, 99 kDa

Observed MW:

99-115 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : mouse brain tissue, rat brain tissue

IHC : mouse brain tissue, mouse kidney tissue

IF-P : rat brain tissue, mouse kidney tissue

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
Pantipa Tonsawan	31553647	Am J Physiol Cell Physiol	WB
Ramesh Kandimalla	27634647	Hum Mol Genet	IF
Zsolia I. Laszlo	36309735	Acta Neuropathol Commun	IF

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:

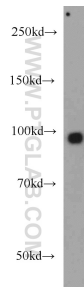
T: 4006900926

E: Proteintech-CN@ptglab.com

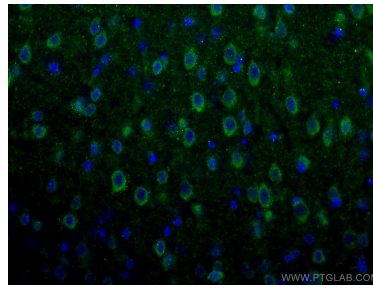
W: ptgcn.com

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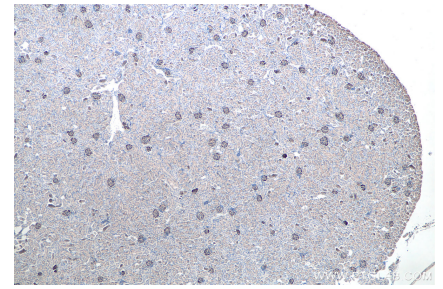
Selected Validation Data



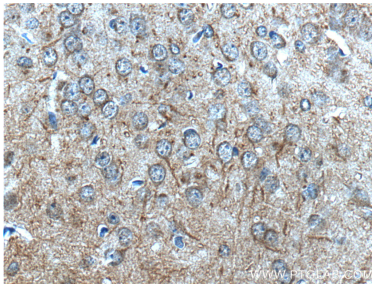
mouse brain tissue were subjected to SDS PAGE followed by western blot with 21064-1-AP (Synaptopodin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



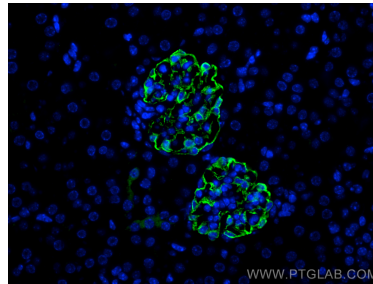
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Synaptopodin antibody (21064-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21064-1-AP (Synaptopodin antibody) at dilution of 1:2000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21064-1-AP (Synaptopodin antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using SYNPO antibody (21064-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).