

For Research Use Only

Synaptojanin 2 Polyclonal antibody

Catalog Number: 13893-1-AP

3 Publications



Basic Information

Catalog Number:

13893-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4855

GenBank Accession Number:

BC043277

GeneID (NCBI):

8871

UNIPROT ID:

O15056

Full Name:

synaptojanin 2

Calculated MW:

1496 aa, 166 kDa

Observed MW:

143, 160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

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 : HEK-293 cells, Jurkat cells

IHC : human brain tissue, mouse small intestine tissue

IF/ICC : SH-SY5Y cells,

Background Information

SYNJ2(Synaptojanin-2) is also named as KIAA0348 and belongs to the synaptojanin family. SYNJ2 encodes an inositol polyphosphate phosphatase that functions in recycling neurotransmitter vesicles and is implicated in spermatogenesis(PMID: 24103750). This protein has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Zheng	35845072	Front Cardiovasc Med	
Angelika B Harbauer	35216662	Neuron	WB
J Tabitha Hees	38504131	Nat Metab	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

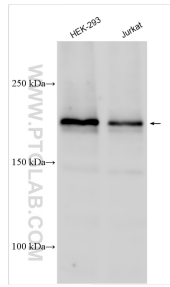
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

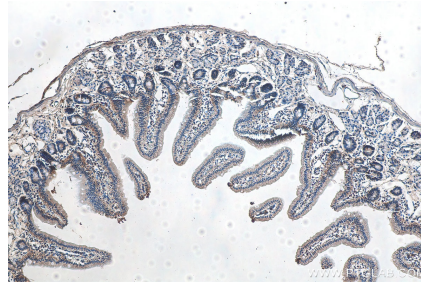
E: proteintech@ptglab.com
W: ptglab.com

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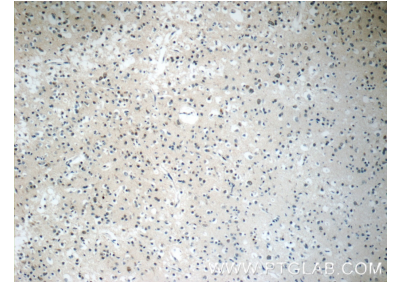
Selected Validation Data



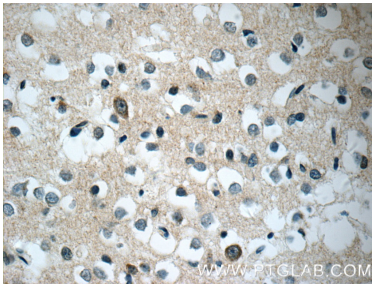
Various lysates were subjected to SDS PAGE followed by western blot with 13893-1-AP (Synaptojanin 2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



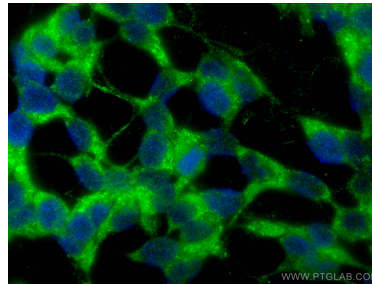
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 13893-1-AP (Synaptojanin 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 13893-1-AP (Synaptojanin 2 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 13893-1-AP (Synaptojanin 2 antibody at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using Synaptojanin 2 antibody (13893-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).