

For Research Use Only

VAMP4 Polyclonal antibody

Catalog Number: 10738-1-AP **7 Publications**



Basic Information

Catalog Number:

10738-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1090

GenBank Accession Number:

BC007019

GeneID (NCBI):

8674

UNIPROT ID:

O75379

Full Name:

vesicle-associated membrane protein

4

Calculated MW:

16 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IP, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : mouse testis tissue, mouse brain tissue, SH-SY5Y cells

IP : mouse brain tissue,

IF : SH-SY5Y cells,

Background Information

VAMP4 is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family and the SNARE superfamily. Characterized by a common sequence called the SNARE motif, SNARE proteins are involved in membrane fusion and vesicular transport (PMID: 11252968). VAMP4 may play a role in trans-Golgi network to endosome transport.

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Tao	31152060	J Biol Chem	IF
Wulin Aerbajinai	26895964	J Biol Chem	WB
Min Li	30596141	Biophys Rep	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:

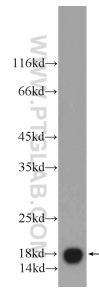
T: 4006900926

E: Proteintech-CN@ptglab.com

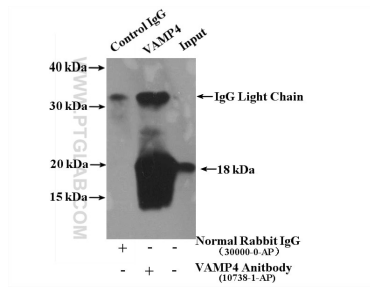
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

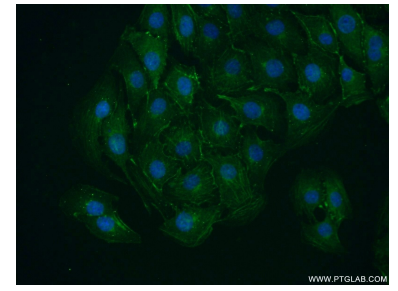
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 10738-1-AP (VAMP4 Antibody) at dilution of 1:600 incubated at 4 degree celsius over night.



IP result of anti-VAMP4 (IP:10738-1-AP, 4ug; Detection:10738-1-AP 1:300) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of SH-SY5Y cells using 10738-1-AP (VAMP4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).