

For Research Use Only

VAMP4 Polyclonal antibody

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



Basic Information

Catalog Number: 10738-1-AP	GenBank Accession Number: BC007019	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8674	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000
Source: Rabbit	Full Name: vesicle-associated membrane protein 4	for WB IF 1:20-1:200
Isotype: IgG	Calculated MW: 16 kDa	
Immunogen Catalog Number: AG1090	Observed MW: 18 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IP, WB	WB : mouse testis tissue, mouse brain tissue, SH-SY5Y cells
Species Specificity: human, mouse, rat	IP : mouse brain tissue,
Cited Species: human, rat, mouse	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

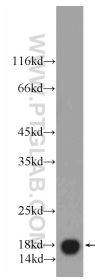
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

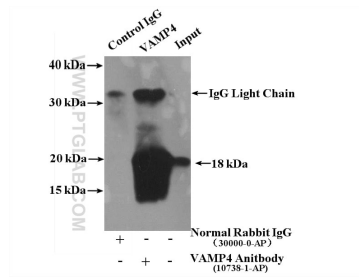
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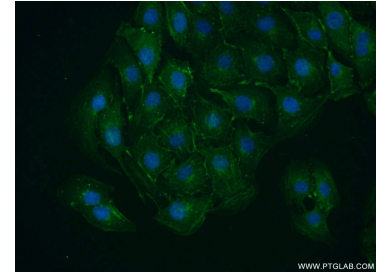
Selected Validation Data



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).