

For Research Use Only

VAMP4 Monoclonal antibody

Catalog Number: 67219-1-Ig **1 Publications**



Basic Information

Catalog Number: 67219-1-Ig	GenBank Accession Number: BC007019	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8674	CloneNo.: 3A6F2
Source: Mouse	UNIPROT ID: O75379	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600 IF/ICC 1:150-1:600
Isotype: IgG2a	Full Name: vesicle-associated membrane protein 4	
Immunogen Catalog Number: AG27854	Calculated MW: 16 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: IF	WB : HEK-293 cells, Jurkat cells, K-562 cells, pig brain tissue, rat brain tissue
Species Specificity: Human, Pig, Rat, Mouse	IHC : mouse brain tissue,
Cited Species: mouse	IF/ICC : HEK-293 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Yoshinobu Hara	37848288	eNeuro	IF

Storage

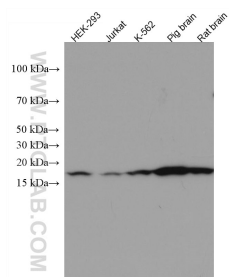
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

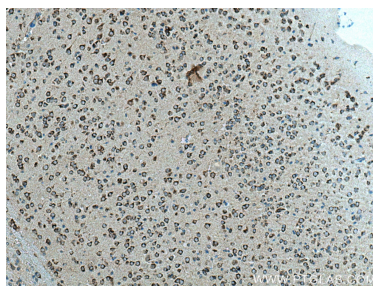
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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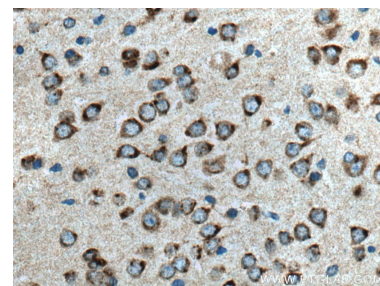
Selected Validation Data



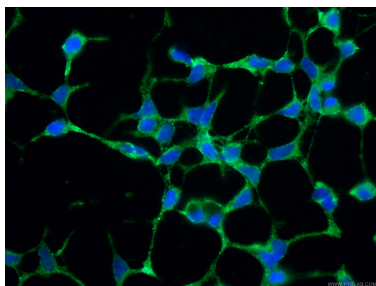
Various lysates were subjected to SDS PAGE followed by western blot with 67219-1-Ig (VAMP4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67219-1-Ig (VAMP4 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67219-1-Ig (VAMP4 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 67219-1-Ig (VAMP4 antibody), at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).