

For Research Use Only

# VAMP4 Monoclonal antibody

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



## Basic Information

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

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF

### Species Specificity:

Human, Pig, Rat, Mouse

### 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, K-562 cells, pig brain tissue, rat brain tissue

IHC : mouse brain tissue,

IF : HEK-293 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
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

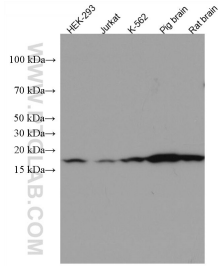
For technical support and original validation data for this product please contact:

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

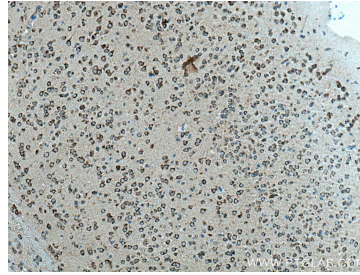
E: proteintech@ptglab.com  
W: ptglab.com

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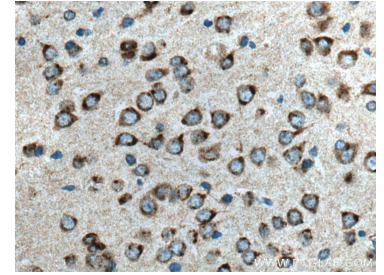
## Selected Validation Data



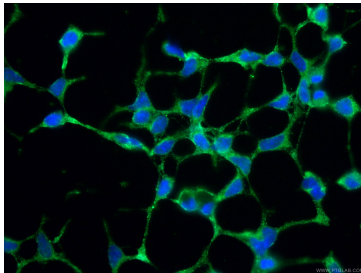
Various lysates were subjected to SDS PAGE followed by western blot with 67219-1-Ig (VAMP4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L).