

# VAMP1 Polyclonal antibody

Catalog Number: 13115-1-AP

5 Publications

## Basic Information

<b>Catalog Number:</b> 13115-1-AP	<b>GenBank Accession Number:</b> BC023286	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6843	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> vesicle-associated membrane protein 1 (synaptobrevin 1)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 117 aa, 13 kDa	
<b>Immunogen Catalog Number:</b> AG3787	<b>Observed MW:</b> 13 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> human brain tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse brain tissue,
<b>Cited Species:</b> mouse, rat	<b>IF :</b> SH-SY5Y 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

VAMP1, also named as synaptobrevin 1, is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. VAMP1 is a part of the SNARE (soluble NSF-attachment protein receptor) complex. Characterized by a common sequence called the SNARE motif, SNARE proteins are involved in membrane fusion and vesicular transport (PMID: 11252968). VAMP1 is involved in synaptic vesicle exocytosis, a fundamental step in neurotransmitter release.

## Notable Publications

Author	Pubmed ID	Journal	Application
Luca Marchetti	34524684	Eur J Immunol	IF
Danyang Li	36374725	Neurotoxicology	WB
Hailei Yu	34116208	Pharmacol Res	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

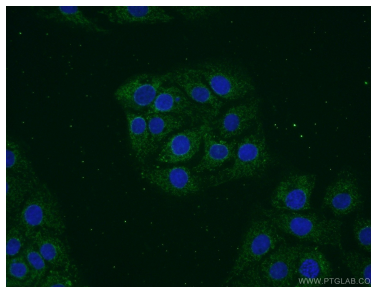
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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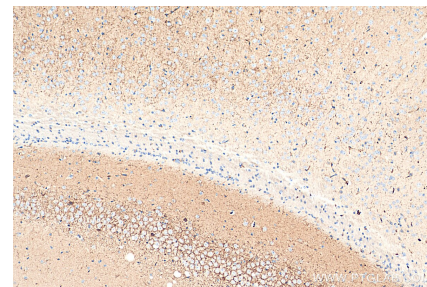
## Selected Validation Data



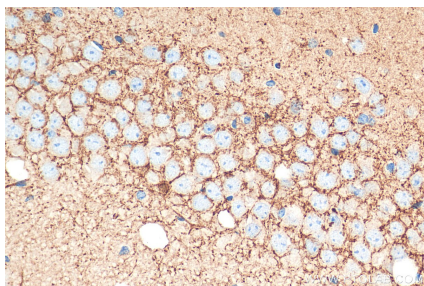
human brain tissue were subjected to SDS PAGE followed by western blot with 13115-1-AP (VAMP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of SH-SY5Y cells using 13115-1-AP (VAMP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13115-1-AP (VAMP1 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 mouse brain tissue slide using 13115-1-AP (VAMP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).