

For Research Use Only

# VAMP1 Polyclonal antibody

Catalog Number: 13115-1-AP **5 Publications**



## Basic Information

**Catalog Number:**

13115-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3787

**GenBank Accession Number:**

BC023286

**GeneID (NCBI):**

6843

**UNIPROT ID:**

P23763

**Full Name:**

vesicle-associated membrane protein 1 (synaptobrevin 1)

**Calculated MW:**

117 aa, 13 kDa

**Observed MW:**

13 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

IF, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse, rat

**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 : human brain tissue,

IHC : mouse brain tissue,

IF : SH-SY5Y cells,

## 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

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

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E: Proteintech-CN@ptglab.com

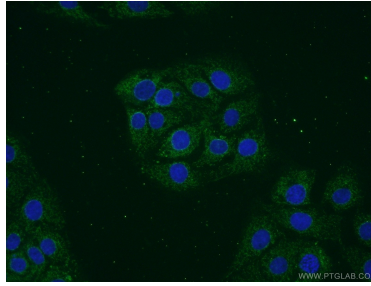
W: ptgcn.com

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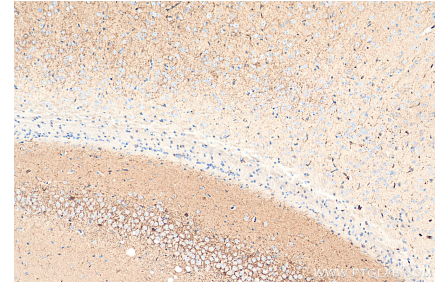
## Selected Validation Data



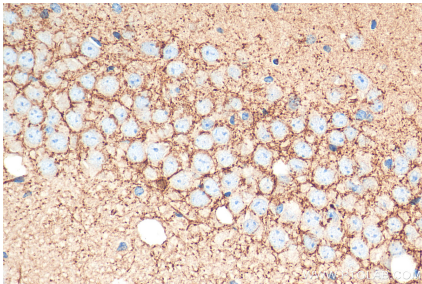
human brain tissue were subjected to SDS PAGE followed by western blot with 13115-1-AP (VAMP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).