

For Research Use Only

VAMP1 Polyclonal antibody

Catalog Number: 13115-1-AP

6 Publications



Basic Information

Catalog Number:

13115-1-AP

Concentration:

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/ICC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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/ICC : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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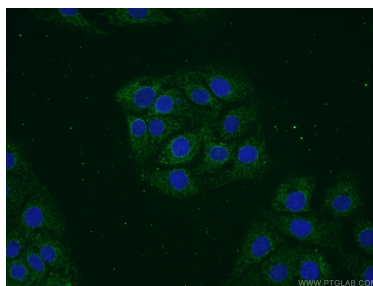
W: ptgcn.com

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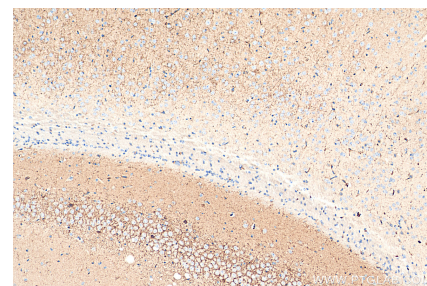
Selected Validation Data



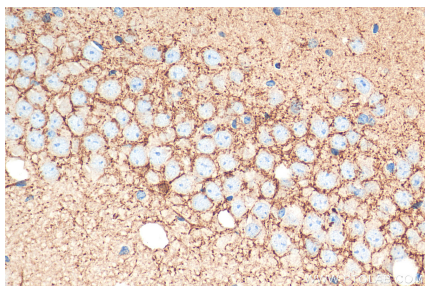
human brain tissue were subjected to SDS PAGE followed by western blot with 13115-1-AP (VAMP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of SH-SY5Y cells using 13115-1-AP (VAMP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated 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).