

**VAMP3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14660c**

**Specification**

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**VAMP3 Antibody (Center) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">Q15836</a>
Other Accession	<a href="#">P63025</a> , <a href="#">P63024</a> , <a href="#">Q4R8T0</a> , <a href="#">Q2KJD2</a> , <a href="#">P63045</a> , <a href="#">P63044</a> , <a href="#">P63027</a> , <a href="#">P63026</a> , <a href="#">Q63666</a> , <a href="#">Q62442</a> , <a href="#">P23763</a> , <a href="#">Q0V7N0</a> , <a href="#">NP_004772.1</a>
Reactivity	<b>Human, Mouse, Zebrafish</b>
Predicted	<b>Bovine, Rat, Monkey</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>11309</b>
Antigen Region	<b>15-43</b>

**VAMP3 Antibody (Center) - Additional Information**

**Gene ID** 9341

**Other Names**

Vesicle-associated membrane protein 3, VAMP-3, Cellubrevin, CEB, Synaptobrevin-3, VAMP3, SYB3

**Target/Specificity**

This VAMP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-43 amino acids from the Central region of human VAMP3.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

VAMP3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**VAMP3 Antibody (Center) - Protein Information**

**Name** VAMP3

**Synonyms** SYB3

**Function** SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network.

**Cellular Location**

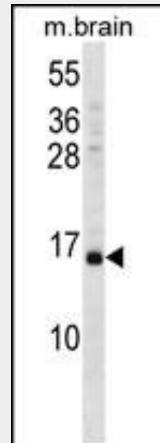
Early endosome membrane; Single-pass type IV membrane protein. Recycling endosome membrane; Single-pass type IV membrane protein. Synapse, synaptosome

**VAMP3 Antibody (Center) - Protocols**

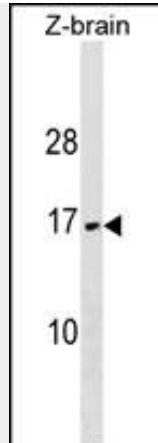
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

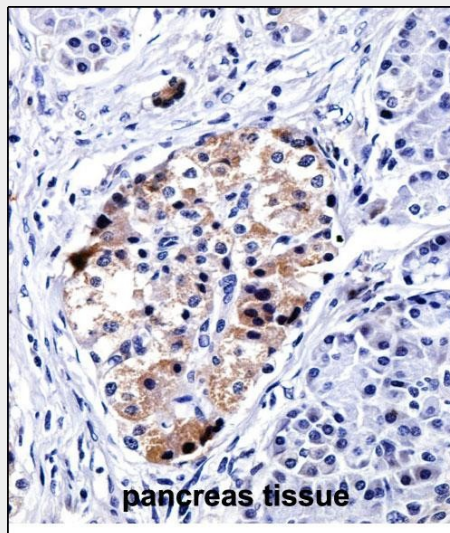
**VAMP3 Antibody (Center) - Images**



VAMP3 Antibody (Center) (Cat. #AP14660c) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the VAMP3 antibody detected the VAMP3 protein (arrow).



VAMP3 Antibody (Center) (Cat. #AP14660c) western blot analysis in zebra fish brain tissue lysates (35ug/lane). This demonstrates the VAMP3 antibody detected the VAMP3 protein (arrow).



VAMP3 Antibody (Center) (AP14660c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of VAMP3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### **VAMP3 Antibody (Center) - Background**

Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Because of its high homology to other known VAMPs, its broad tissue distribution, and its subcellular localization, the protein encoded by this gene was shown to be the human equivalent of the rodent cellubrevin. In platelets the protein resides on a compartment that is not mobilized to the plasma membrane on calcium or thrombin stimulation.

### **VAMP3 Antibody (Center) - References**

Ban, H.J., et al. BMC Genet. 11, 26 (2010) :

Fader, C.M., et al. Biochim. Biophys. Acta 1793(12):1901-1916(2009)

Kean, M.J., et al. J. Cell. Sci. 122 (PT 22), 4089-4098 (2009) :

Vassilopoulos, S., et al. Science 324(5931):1192-1196(2009)

Luftman, K., et al. Biochem. Biophys. Res. Commun. 380(1):65-70(2009)