

**VAMP4 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
Catalog # AP20234c

## Specification

### VAMP4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	<a href="#">O75379</a>
Other Accession	<a href="#">O70480</a> , <a href="#">Q32L97</a> , <a href="#">NP_003753.2</a>
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	16397
Antigen Region	61-90

### VAMP4 Antibody (Center) - Additional Information

**Gene ID** 8674

#### Other Names

Vesicle-associated membrane protein 4,  
VAMP-4, VAMP4

#### Target/Specificity

This VAMP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-90 amino acids from the Central region of human VAMP4.

#### Dilution

WB~~1:1000

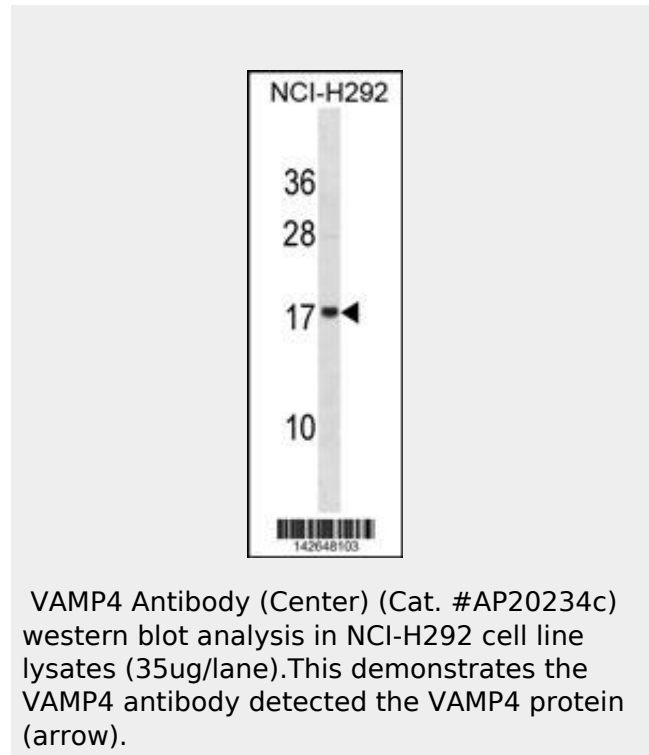
#### Format

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



### VAMP4 Antibody (Center) - Background

Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport.

### VAMP4 Antibody (Center) - References

- Olsen, J.V., et al. Cell 127(3):635-648(2006)
- Olsen, J.V., et al. Cell 127(3):635-648(2006)
- Sabra, M.M., et al. Mol. Genet. Metab. 85(2):133-139(2005)
- Ballif, B.A., et al. Mol. Cell Proteomics

VAMP4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

3(11):1093-1101(2004)  
Hanners, I., et al. EMBO Rep.  
4(12):1182-1189(2003)

#### **VAMP4 Antibody (Center) - Protein Information**

**Name** VAMP4

#### **Function**

Involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. May be a marker for this sorting pathway that is critical for remodeling the secretory response of granule.

#### **Cellular Location**

Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein Note=Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles

#### **VAMP4 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](#)