

VAMP4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5861c

Specification

VAMP4 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	O75379
Other Accession	O70480 , Q32L97 , NP_001172056.1 , NP_003753.2
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16397
Antigen Region	16-45

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 16-45 amino acids from the Central region of human VAMP4.

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

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

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

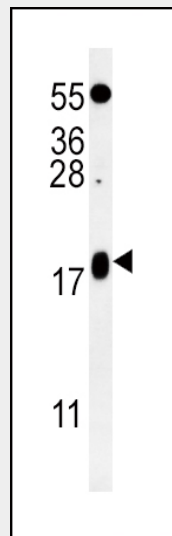
Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein
Note=Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles

VAMP4 Antibody (Center) - Protocols

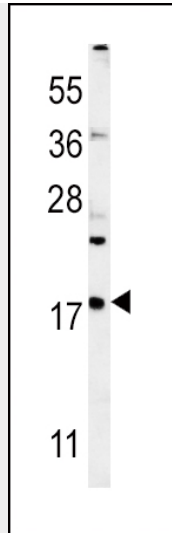
Provided below are standard protocols that you may find useful for product applications.

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

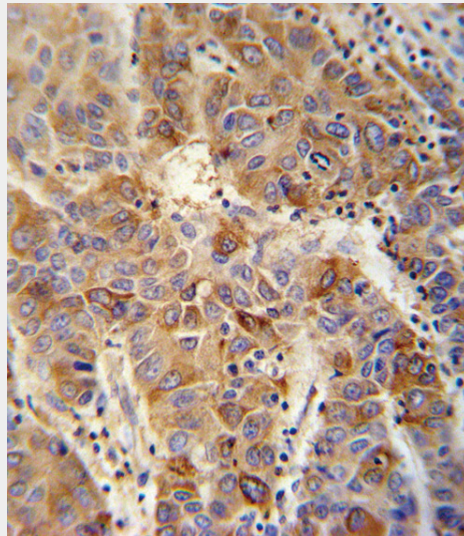
VAMP4 Antibody (Center) - Images



VAMP4 Antibody (Center) (Cat. #AP5861c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the VAMP4 antibody detected the VAMP4 protein (arrow).



VAMP4 Antibody (Center) (Cat. #AP5861c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the VAMP4 antibody detected the VAMP4 protein (arrow).



VAMP4 antibody (Center) (Cat. #AP5861c) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the VAMP4 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.