

VAPA Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19461b**Specification**

VAPA Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [Q9P0L0](#)**VAPA Antibody(C-term) Blocking peptide - Additional Information**

Gene ID 9218

Other Names

Vesicle-associated membrane protein-associated protein A, VAMP-A, VAMP-associated protein A, VAP-A, 33 kDa VAMP-associated protein, VAP-33, VAPA, VAP33

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VAPA Antibody(C-term) Blocking peptide - Protein InformationName VAPA ([HGNC:12648](#))

Synonyms VAP33

Function

Endoplasmic reticulum (ER)-anchored protein that mediates the formation of contact sites between the ER and endosomes via interaction with FFAT motif-containing proteins such as STARD3 or WDR44 (PubMed: [32344433](http://www.uniprot.org/citations/32344433)), PubMed: [33124732](http://www.uniprot.org/citations/33124732)). STARD3-VAPA interaction enables cholesterol transfer from the ER to endosomes (PubMed: [33124732](http://www.uniprot.org/citations/33124732)). Via interaction with WDR44 participates in neosynthesized protein export (PubMed: [32344433](http://www.uniprot.org/citations/32344433)). In addition, recruited to the plasma membrane through OSBPL3 binding (PubMed: [25447204](http://www.uniprot.org/citations/25447204)). The OSBPL3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface (PubMed: [25447204](http://www.uniprot.org/citations/25447204)). With OSBPL3, may regulate ER morphology (PubMed: [16143324](http://www.uniprot.org/citations/16143324)). May play a

role in vesicle trafficking (PubMed:11511104, PubMed:19289470).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Cell membrane; Single-pass type IV membrane protein. Cell junction, tight junction. Nucleus membrane {ECO:0000250|UniProtKB:Q9Z270}. Note=Present in the plasma membrane and in intracellular vesicles, together with SNARE proteins. May also associate with the cytoskeleton. Colocalizes with OCLN at the tight junction in polarized epithelial cells.

Tissue Location

Ubiquitous.

VAPA Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

VAPA Antibody(C-term) Blocking peptide - Images**VAPA Antibody(C-term) Blocking peptide - Background**

The protein encoded by this gene is a type IV membraneprotein. It is present in the plasma membrane and intracellularvesicles. It may also be associated with the cytoskeleton. Thisprotein may function in vesicle trafficking, membrane fusion,protein complex assembly and cell motility. Alternative splicingoccurs at this locus and two transcript variants encoding distinctisoforms have been identified.

VAPA Antibody(C-term) Blocking peptide - References

Furuita, K., et al. J. Biol. Chem. 285(17):12961-12970(2010)Tuuf, J., et al. Biochem. Biophys. Res. Commun. 388(2):395-399(2009)Saita, S., et al. J. Biol. Chem. 284(20):13766-13777(2009)Prosser, D.C., et al. J. Cell. Sci. 121 (PT 18), 3052-3061 (2008) :Lohoff, F.W., et al. J Neural Transm 115(9):1339-1345(2008)