

VAPB Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18906b**Specification**

VAPB Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O95292](#)**VAPB Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 9217

Other Names

Vesicle-associated membrane protein-associated protein B/C, VAMP-B/VAMP-C, VAMP-associated protein B/C, VAP-B/VAP-C, VAPB

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.

VAPB Antibody (C-term) Blocking Peptide - Protein InformationName VAPB ([HGNC:12649](#))**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:33124732, PubMed:32344433). Interacts with STARD3 in a FFAT motif phosphorylation dependent manner (PubMed:33124732). Via interaction with WDR44 participates in neosynthesized protein export (PubMed:32344433). Participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity (PubMed:16891305, PubMed:20940299). Involved in cellular calcium homeostasis regulation (PubMed:22131369).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type IV membrane protein

{ECO:0000250|UniProtKB:Q9P0L0}. Note=Present in mitochondria-associated membranes that are endoplasmic reticulum membrane regions closely apposed to the outer mitochondrial membrane

Tissue Location

Ubiquitous. Isoform 1 predominates.

VAPB Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

VAPB Antibody (C-term) Blocking Peptide - Images**VAPB Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is a type IV membraneprotein found in plasma and intracellular vesicle membranes. The encoded protein is found as a homodimer and as a heterodimer with VAPA. This protein also can interact with VAMP1 and VAMP2 and maybe involved in vesicle trafficking.

VAPB Antibody (C-term) Blocking Peptide - References

Millecamps, S., et al. J. Med. Genet. 47(8):554-560(2010)Langou, K., et al. J. Neurochem. 114(3):795-809(2010)Tsai, C.P., et al. Neurobiol. Aging (2010) In press :Nachreiner, T., et al. Biochem. Biophys. Res. Commun. 394(3):703-708(2010)Funke, A.D., et al. Clin. Genet. 77(3):302-303(2010)