

VAPB Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18906b**Specification**

VAPB Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O95292
Other Accession	A2VDZ9 , NP_004729.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27228
Antigen Region	171-200

VAPB Antibody (C-term) - 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

Target/Specificity

This VAPB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-200 amino acids from the C-terminal region of human VAPB.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

VAPB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VAPB Antibody (C-term) - Protein Information**Name** 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:[32344433](#), PubMed:[33124732](#)). 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

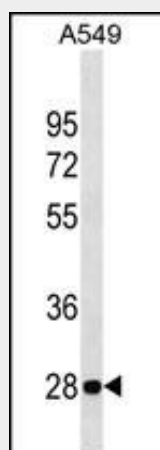
Ubiquitous. Isoform 1 predominates.

VAPB Antibody (C-term) - 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](#)

VAPB Antibody (C-term) - Images



VAPB Antibody (C-term)(Cat. #AP18906b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the VAPB antibody detected the VAPB protein (arrow).

VAPB Antibody (C-term) - Background

The protein encoded by this gene is a type IV membrane protein 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 may

be involved in vesicle trafficking.

VAPB Antibody (C-term) - 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)