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VAPA Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19461b

Product Information

Application	WB, E
Primary Accession	Q9P0L0
Other Accession	Q9Z270, Q9WV55, NP_003565.4
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40543
Calculated MW	27893
Antigen Region	182-210

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
Target/Specificity	This VAPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 182-210 amino acids from the C-terminal region of human VAPA.
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	VAPA Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	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, PubMed:33124732). STARD3-VAPA interaction enables cholesterol transfer from the ER to endosomes (PubMed:33124732). Via interaction with WDR44 participates in neosynthesized protein export (PubMed:32344433). In addition, recruited to the plasma membrane through OSBPL3 binding (PubMed:25447204). The OSBPL3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface (PubMed:25447204). With OSBPL3, may regulate ER morphology (PubMed: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.

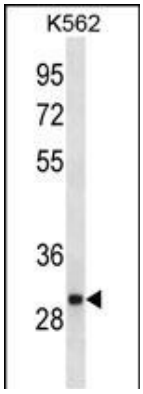
Background

The protein encoded by this gene is a type IV membrane protein. It is present in the plasma membrane and intracellular vesicles. It may also be associated with the cytoskeleton. This protein may function in vesicle trafficking, membrane fusion, protein complex assembly and cell motility. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.

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)

Images



VAPA Antibody (C-term) (Cat. #AP19461b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the VAPA antibody detected the VAPA protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.