10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-VAMP Associated Protein A Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1766

Product Information

Application	WB, FC, ICC
Primary Accession	Q9P0L0
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB2580
Calculated MW	27893
Gene Name	VAPA
Aliases	VAPA; VAMP Associated Protein A; VAP-A; HVAP-33; VAMP (Vesicle-Associated Membrane Protein)-Associated Protein A, 33kDa; Vesicle-Associated Membrane Protein-Associated Protein A; 33 KDa VAMP-Associated Protein; VAMP-A; VAP-33; VAP33; VAMP (Vesicle-Associated Membrane Protein)-Associated Protein A (33kD); Epididymis Secretory Sperm Binding Protein; VAMP-Associated Protein A
Immunogen	A synthesized peptide derived from human VAPA

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 {ECO:0000303|Ref.2}, VAP-33, VAPA (HGNC:12648), VAP33

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.

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