

**KD-Validated Anti-VAMP Associated Protein A Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1766****Specification****KD-Validated Anti-VAMP Associated Protein A Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">O9P0L0</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 28 kDa , observed , 28 kDa KDa
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

**KD-Validated Anti-VAMP Associated Protein A Rabbit Monoclonal Antibody - 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 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=12648" target="\_blank">HGNC:12648</a>), VAP33

**KD-Validated Anti-VAMP Associated Protein A Rabbit Monoclonal Antibody - 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:<a href="http://www.uniprot.org/citations/32344433" target="\_blank">32344433</a>, PubMed:<a href="http://www.uniprot.org/citations/33124732" target="\_blank">33124732</a>). STARD3-VAPA interaction enables cholesterol transfer from the ER to endosomes (PubMed:<a href="http://www.uniprot.org/citations/33124732" target="\_blank">33124732</a>). Via interaction with WDR44 participates in neosynthesized protein export (PubMed:<a href="http://www.uniprot.org/citations/32344433" target="\_blank">32344433</a>). In addition, recruited to the plasma membrane through OSBPL3 binding (PubMed:<a href="http://www.uniprot.org/citations/25447204" target="\_blank">25447204</a>). The OSBPL3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface (PubMed:<a href="http://www.uniprot.org/citations/25447204" target="\_blank">25447204</a>). With OSBPL3, may regulate ER morphology (PubMed:<a href="http://www.uniprot.org/citations/16143324" target="\_blank">16143324</a>). May play a role in vesicle trafficking (PubMed:<a href="http://www.uniprot.org/citations/11511104" target="\_blank">11511104</a>, PubMed:<a href="http://www.uniprot.org/citations/19289470" target="\_blank">19289470</a>).

#### 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.

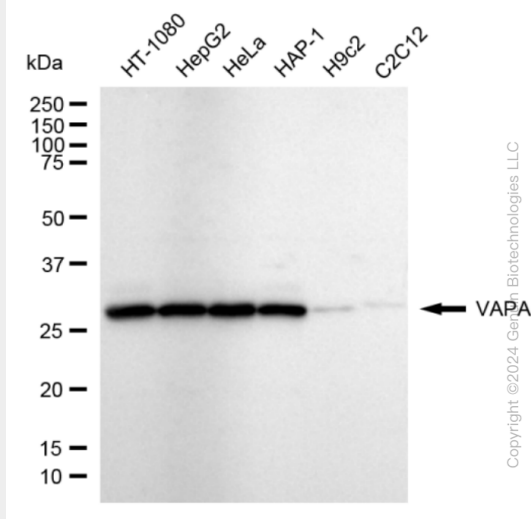
#### KD-Validated Anti-VAMP Associated Protein A Rabbit Monoclonal Antibody - Protocols

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

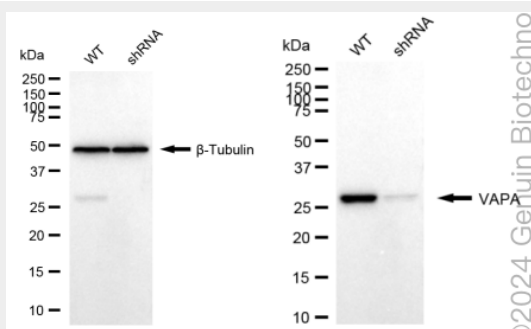
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

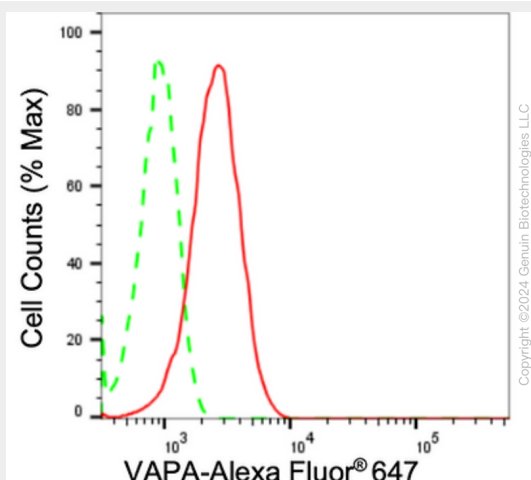




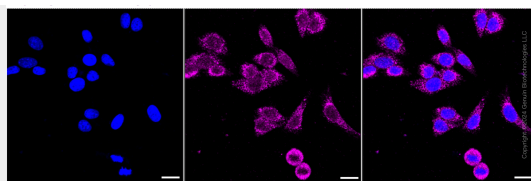
Western blotting analysis using anti-VAPA antibody (Cat#AGI1766). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-VAPA antibody (Cat#AGI1766, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-VAPA antibody (Cat#AGI1766). VAPA expression in wild type (WT) and VAPA shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-VAPA antibody (Cat#AGI1766, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of VAPA expression in HepG2 cells using anti-VAPA antibody (Cat#AGI1766, 1:2,000). Green, isotype control; red, VAPA.



Immunocytochemical staining of HepG2 cells with anti-VAPA antibody (Cat#AGI1766, 1:1,000). Nuclei were stained blue with DAPI; VAPA was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.