

# VAPA Antibody

Rabbit mAb

Catalog # AP93239

## Product Information

<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q9P0L0</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	VAP33; Vapa;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	27893

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human VAPA
<b>Description</b>	May play a role in vesicle trafficking.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	VAPA ( <a href="#">HGNC:12648</a> )
<b>Synonyms</b>	VAP33
<b>Function</b>	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="#">32344433</a> , PubMed: <a href="#">33124732</a> ). STARD3-VAPA interaction enables cholesterol transfer from the ER to endosomes (PubMed: <a href="#">33124732</a> ). Via interaction with WDR44 participates in neosynthesized protein export (PubMed: <a href="#">32344433</a> ). In addition, recruited to the plasma membrane through OSBPL3 binding (PubMed: <a href="#">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="#">25447204</a> ). With OSBPL3, may regulate ER morphology (PubMed: <a href="#">16143324</a> ). May play a role in vesicle trafficking (PubMed: <a href="#">11511104</a> , PubMed: <a href="#">19289470</a> ).
<b>Cellular Location</b>	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.

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