

Anti-VAPA Rabbit Monoclonal Antibody Catalog # ABO16758

Specification

Anti-VAPA Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9P0L0
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-VAPA Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-VAPA 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12648)>HGNC:12648), VAP33

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human VAPA

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-VAPA 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: [32344433](http://www.uniprot.org/citations/32344433)), PubMed: [33124732](http://www.uniprot.org/citations/33124732)), PubMed: [33124732](http://www.uniprot.org/citations/33124732)). STARD3-VAPA interaction enables cholesterol transfer from the ER to endosomes (PubMed: [33124732](http://www.uniprot.org/citations/33124732)). Via interaction with WDR44 participates in neosynthesized protein export (PubMed: [32344433](http://www.uniprot.org/citations/32344433)). In addition, recruited to the plasma membrane through OSBPL3 binding (PubMed: [25447204](http://www.uniprot.org/citations/25447204)). The OSBPL3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface (PubMed: [25447204](http://www.uniprot.org/citations/25447204)). With OSBPL3, may regulate ER morphology (PubMed: [16143324](http://www.uniprot.org/citations/16143324)). May play a role in vesicle trafficking (PubMed: [11511104](http://www.uniprot.org/citations/11511104)), PubMed: [19289470](http://www.uniprot.org/citations/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

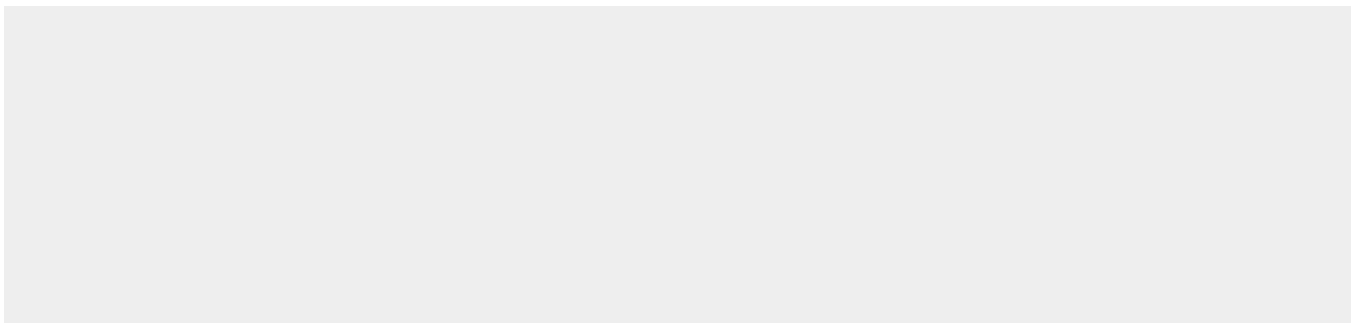
Ubiquitous.

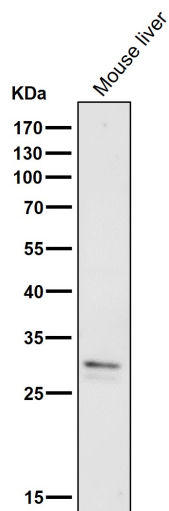
Anti-VAPA Rabbit Monoclonal Antibody - Protocols

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

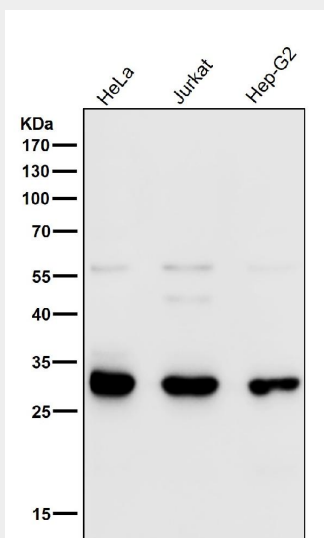
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-VAPA Rabbit Monoclonal Antibody - Images





All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.