

VPS4A Rabbit mAb
Catalog # AP76255**Specification****VPS4A Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	Q9UN37
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	48898

VPS4A Rabbit mAb - Additional Information

Gene ID 27183

Other Names

VPS4A

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

Format

Liquid

VPS4A Rabbit mAb - Protein Information

Name VPS4A {ECO:0000312|EMBL:AAG01470.1}

Function

Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. It is required for proper accomplishment of various processes including the regulation of endosome size, primary cilium organization, mitotic spindle organization, chromosome segregation, and nuclear envelope sealing and spindle disassembly during anaphase (PubMed: [33186545](http://www.uniprot.org/citations/33186545)). Involved in cytokinesis: retained at the midbody by ZFYVE19/ANCHR and CHMP4C until abscission checkpoint signaling is terminated at late cytokinesis. It is then released following dephosphorylation of CHMP4C, leading to abscission (PubMed: [24814515](http://www.uniprot.org/citations/24814515)). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed: [22660413](http://www.uniprot.org/citations/22660413)). Critical for

normal erythroblast cytokinesis and correct erythropoiesis (PubMed:33186543).

Cellular Location

Late endosome membrane {ECO:0000250|UniProtKB:Q8VEJ9}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8VEJ9}. Midbody Cytoplasm, cytoskeleton, spindle
Note=Membrane-associated in the prevacuolar endosomal compartment Localizes to the midbody of dividing cells, interaction with ZFYVE19/ANCHR mediates retention at midbody (PubMed:24814515) Localized in two distinct rings on either side of the Flemming body

Tissue Location

Ubiquitously expressed.

VPS4A Rabbit mAb - 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](#)

VPS4A Rabbit mAb - Images



