

# VPS4A Rabbit mAb

Catalog # AP76255

## Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	<a href="#">Q9UN37</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	48898

## Additional Information

Gene ID	27183
Other Names	VPS4A
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	Liquid

## Protein Information

Name	VPS4A {ECO:0000312 EMBL:AAG01470.1}
Function	<p>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:<a href="#">33186545</a>). 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:<a href="#">24814515</a>). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:<a href="#">22660413</a>). Critical for normal erythroblast cytokinesis and correct erythropoiesis (PubMed:<a href="#">33186543</a>).</p>
Cellular Location	Late endosome membrane {ECO:0000250 UniProtKB:Q8VEJ9}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q8VEJ9}. Midbody Cytoplasm,

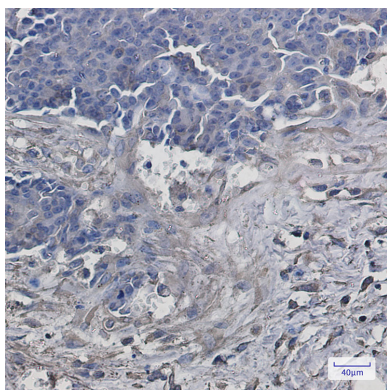
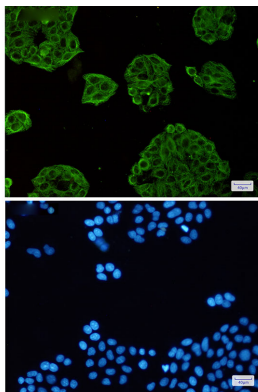
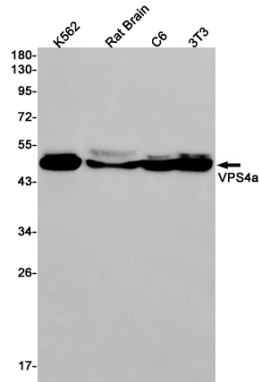
cytoskeleton, spindle Note=Membrane-associated in the prevacuolar endosomal compartment Localizes to the midbody of dividing cells, interaction with ZFYVE19/ANCHR mediates retention at midbody (PubMed:24814515) Localized in two distinct rings on either side of the Flemming body

## Tissue Location

Ubiquitously expressed.

## Images

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