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anti-VPS4A antibody



Overview

Quantity:	100 μg
Target:	VPS4A
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS4A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

lmmunogen:	vacuolar protein sorting 4 homolog A(S. cerevisiae)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	VPS4A
Alternative Name:	VPS4A (VPS4A Products)
Background:	Synonyms:FLJ22197, hVPS4, Protein SKD2, SKD1, SKD2, VPS4, VPS4 1, VPS4A
	Background: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. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding(HIV-1 and other lentiviruses). 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). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan(PubMed:22660413).

Molecular Weight: 49 kDa

Gene ID: 27183

UniProt: Q9UN37

Pathways: Microtubule Dynamics, CXCR4-mediated Signaling Events

Application Details

Application Notes: WB: 1:200-1:1000

Restrictions: For Research Use only

Handling

Format:

Liquid

Buffer:

PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative:

Sodium azide

Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C

Storage Comment:

-20 °C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date:

12 months