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Datasheet for ABIN6979852

anti-VPS4B antibody (AA 301-400) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	VPS4B (vps4b)
Binding Specificity:	AA 301-400
Reactivity:	Human, Mouse, Fish
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS4B antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human VPS4B
Isotype:	IgG
Cross-Reactivity:	Fish, Human, Mouse
Predicted Reactivity:	Rat,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	VPS4B (vps4b)
Alternative Name:	VPS4B (vps4b Products)

Target Details

Background: Synonyms: 8030489C12Rik, Cell migration inducing 1, Cell migration-inducing gene 1 protein, MGC116271, MIG1, Protein SKD1, Skd1, SKD1B, Suppressor of K(+) transport growth defect 1, Suppressor of K+ transport defect 1, Vacuolar protein sorting 4 homolog B (*S. cerevisiae*), Vacuolar protein sorting 4 homolog B, Vacuolar protein sorting 4b, Vacuolar protein sorting-associated protein 4B, Vacuolar protein sorting-associated protein 4B, VPS4 2, VPS42, Vps4b, VPS4B_HUMAN.

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).

Gene ID: 9525

UniProt: [O75351](#)

Pathways: [Microtubule Dynamics](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months