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Anti-VPS4B Antibody

Catalog # AP60809

Product Information

Application	WB
Primary Accession	O75351
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49302

Additional Information

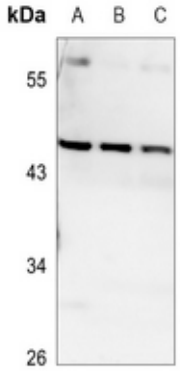
Gene ID	9525
Other Names	SKD1; VPS42; Vacuolar protein sorting-associated protein 4B; Cell migration-inducing gene 1 protein; Suppressor of K(+) transport growth defect 1; Protein SKD1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human VPS4B. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	VPS4B (HGNC:10895)
Synonyms	SKD1, VPS42
Function	Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their ATP-dependent disassembly, possibly in combination with membrane fission (PubMed:18687924). 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. VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).

Cellular Location	Late endosome membrane {ECO:0000250|UniProtKB:P46467}; Peripheral membrane protein. Note=Membrane-associated in the prevacuolar endosomal compartment. Localized in HIV-1 particles purified from acutely infected cells.
Tissue Location	Ubiquitously expressed.

Images



Western blot analysis of VPS4B expression in HEK293T (A), A549 (B), H1688 (C) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 49 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.