

VPS4B antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14703

Product Information

Application	WB
Primary Accession	O75351
Other Accession	NM_004869 , NP_004860
Reactivity	Human, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Rabbit, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49302

Additional Information

Gene ID	9525
Alias Symbol	MIG1, SKD1, SKD1B, VPS4-2
Other Names	Vacuolar protein sorting-associated protein 4B, 3.6.4.6, Cell migration-inducing gene 1 protein, Suppressor of K(+) transport growth defect 1, Protein SKD1, VPS4B, SKD1, VPS42
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-VPS4B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	VPS4B antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

References

Scheuring S.,et al.J. Mol. Biol. 312:469-480(2001).

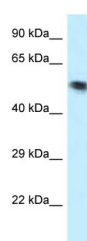
Beyer A.,et al.Gene 305:47-59(2003).

Mao M.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:8175-8180(1998).

Kim J.W.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-VPS4B Antibody Titration: 1.0 µg/ml
Positive Control: OVCAR-3 Whole Cell
VPS4B is supported by BioGPS gene expression data to be expressed in OVCAR3

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