

VPS4B antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14703**Specification**

VPS4B antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O75351
Other Accession	NM_004869 , NP_004860
Reactivity	Human, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Rabbit, Pig, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa kDa

VPS4B antibody - N-terminal region - 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.

VPS4B antibody - N-terminal region - 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

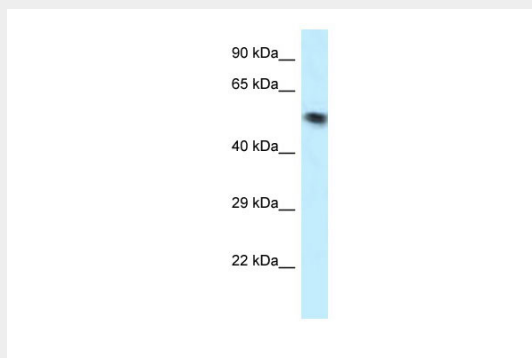
Ubiquitously expressed.

VPS4B antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VPS4B antibody - N-terminal region - 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

VPS4B antibody - N-terminal region - 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.