

VPS26B antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13415

Product Information

Application	WB
Primary Accession	Q4G0F5
Other Accession	NM_052875 , NP_443107
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted Host	Human, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 39155

Additional Information

Gene ID	112936
Alias Symbol	MGC10485, Pep8b
Other Names	Vacuolar protein sorting-associated protein 26B, Vesicle protein sorting 26B, VPS26B
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-VPS26B 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	VPS26B antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VPS26B
Function	Acts as a component of the retromer cargo-selective complex (CSC). The CSC is believed to be the core functional component of retromer or respective retromer complex variants acting to prevent missorting of selected transmembrane cargo proteins into the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans- Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX3-retromer mediates the retrograde transport of WLS distinct from the

SNX-BAR retromer pathway. The SNX27-retromer is believed to be involved in endosome-to-plasma membrane trafficking and recycling of a broad spectrum of cargo proteins. The CSC seems to act as recruitment hub for other proteins, such as the WASH complex and TBC1D5. May be involved in retrograde transport of SORT1 but not of IGF2R. Acts redundantly with VSP26A in SNX-27 mediated endocytic recycling of SLC2A1/GLUT1 (By similarity).

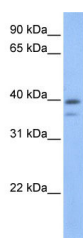
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8C0E2}. Membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8C0E2} Early endosome {ECO:0000250|UniProtKB:Q8C0E2}. Late endosome {ECO:0000250|UniProtKB:Q8C0E2}. Note=Localizes to early and late endosomal structures (By similarity). {ECO:0000250|UniProtKB:Q8C0E2}

References

Kim N.-S.,et al.Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
Olsen J.V.,et al.Sci. Signal. 3:RA3-RA3(2010).

Images



WB Suggested Anti-VPS26B Antibody Titration: 0.2-1
µg/ml
Positive Control: Human brain

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