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VPS18 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant VPS18.
Catalog # AT4519a

Product Information

Application	WB
Primary Accession	Q9P253
Other Accession	NM_020857
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG3 Kappa
Clone Names	4F8
Calculated MW	110186

Additional Information

Gene ID	57617
Other Names	Vacuolar protein sorting-associated protein 18 homolog, hVPS18, VPS18, KIAA1475
Target/Specificity	VPS18 (NP_065908, 3 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	VPS18 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

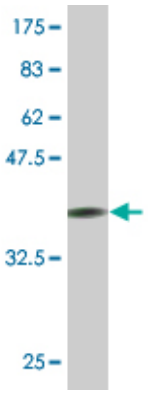
Background

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene encodes the human homolog of yeast class C Vps18 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway.

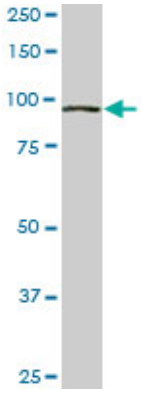
References

SPE-39 family proteins interact with the HOPS complex and function in lysosomal delivery. Zhu GD, et al. Mol Biol Cell, 2009 Feb. PMID 19109425.An FTS/Hook/p107(FHIP) complex interacts with and promotes endosomal clustering by the homotypic vacuolar protein sorting complex. Xu L, et al. Mol Biol Cell, 2008 Dec. PMID 18799622.Beclin1-binding UVRAG targets the class C Vps complex to coordinate autophagosome maturation and endocytic trafficking. Liang C, et al. Nat Cell Biol, 2008 Jul. PMID 18552835.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



VPS18 monoclonal antibody (M01), clone 4F8. Western Blot analysis of VPS18 expression in Raw 264.7 ((Cat # AT4519a)

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