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VPS11 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant VPS11.
Catalog # AT4518a

Product Information

Application	WB
Primary Accession	Q9H270
Other Accession	NM_021729
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1H1
Calculated MW	107809

Additional Information

Gene ID	55823
Other Names	Vacuolar protein sorting-associated protein 11 homolog, hVPS11, RING finger protein 108, VPS11, RNF108
Target/Specificity	VPS11 (NP_068375, 842 a.a. ~ 941 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	VPS11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

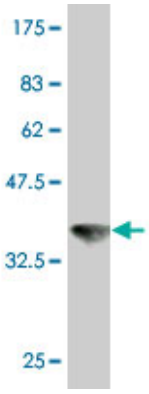
Background

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 Vps11 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.

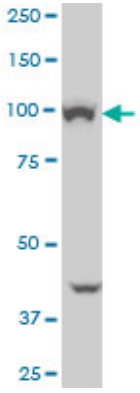
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.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.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.Monoubiquitylation of GGA3 by hVPS18 regulates its ubiquitin-binding ability. Yogosawa S, et al. Biochem Biophys Res Commun, 2006 Nov 10. PMID 16996030.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



VPS11 monoclonal antibody (M01), clone 1H1 Western Blot analysis of VPS11 expression in K-562 ((Cat # AT4518a)

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