

VPS11 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant VPS11.****Catalog # AT4518a****Specification**

VPS11 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	Q9H270
Other Accession	NM_021729
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	107837

VPS11 Antibody (monoclonal) (M01) - 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.

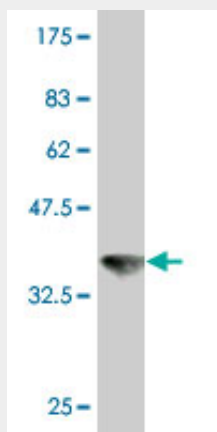
VPS11 Antibody (monoclonal) (M01) - Protocols

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

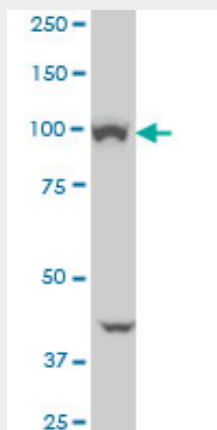
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VPS11 Antibody (monoclonal) (M01) - 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)

VPS11 Antibody (monoclonal) (M01) - 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.

VPS11 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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.