

# SLC20A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SLC20A1.

Catalog # AT3907a

## Product Information

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Application	WB
Primary Accession	<a href="#">Q8WUM9</a>
Other Accession	<a href="#">BC019944</a>
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	6A9-F2
Calculated MW	73700

## Additional Information

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Gene ID	6574
Other Names	Sodium-dependent phosphate transporter 1, Gibbon ape leukemia virus receptor 1, GLVR-1, Leukemia virus receptor 1 homolog, Phosphate transporter 1, PiT-1, Solute carrier family 20 member 1, SLC20A1, GLVR1, PIT1
Target/Specificity	SLC20A1 (AAH19944, 1 a.a. ~ 679 a.a) full-length 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	SLC20A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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Retrovirus receptors allow infection of human and murine cells by various retroviruses. The receptors that have been identified at the molecular level include CD4 (MIM 186940) for human immunodeficiency virus, Rec1 for murine ecotropic virus, and GLVR1 for gibbon ape leukemia virus (see MIM 182090). These 3 proteins show no homology to one another at the DNA or protein level. GLVR1 is a sodium-dependent phosphate symporter.

## References

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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. Identification of a novel function of Pit1 critical for cell proliferation and independent of its phosphate transport activity. Beck L, et al. J Biol Chem, 2009 Nov 6. PMID 19726692. Pit-1 mutation and lipoedema in a family. Bano G, et al. Exp Clin Endocrinol Diabetes, 2010 Jun. PMID 19609847. Expression of Pit-1 in nonsomatotrope cell lines induces human growth hormone locus control region histone modification and hGH-N transcription. Hogan KA, et al. J Mol Biol, 2009 Jul 3. PMID 19427323.

## Images

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Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (100.43 KDa) .

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