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RSC1A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RSC1A1.
Catalog # AT3731a

Product Information

Application	WB, IHC
Primary Accession	Q92681
Other Accession	NM_006511
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6F9
Calculated MW	66790

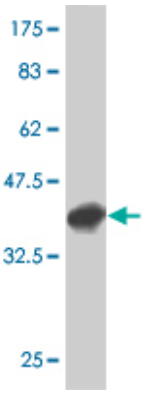
Additional Information

Gene ID	6248
Other Names	Regulatory solute carrier protein family 1 member 1, Transporter regulator RS1, hRS1, RSC1A1
Target/Specificity	RSC1A1 (NP_006502, 1 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 IHC~~1:100~500
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	RSC1A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

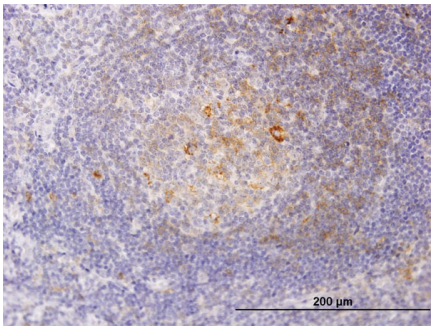
References

Tripeptides of RS1 (RSC1A1) inhibit a monosaccharide-dependent exocytotic pathway of Na+-D-glucose cotransporter SGLT1 with high affinity. Vernaleken A, et al. J Biol Chem, 2007 Sep 28. PMID 17686765.Transporter regulator RS1 (RSC1A1) coats the trans-Golgi network and migrates into the nucleus. Kroiss M, et al. Am J Physiol Renal Physiol, 2006 Dec. PMID 16788147.RS1 (RSC1A1) regulates the exocytotic pathway of Na+-D-glucose cotransporter SGLT1. Veyhl M, et al. Am J Physiol Renal Physiol, 2006 Dec. PMID 16788146.Downregulation of the Na(+)- D-glucose cotransporter SGLT1 by protein RS1 (RSC1A1) is dependent on dynamin and protein kinase C. Veyhl M, et al. J Membr Biol, 2003 Nov 1. PMID 14724758.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

Images



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



Immunoperoxidase of monoclonal antibody to RSC1A1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1.2 ug/ml]