

RSC1A1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RSC1A1.****Catalog # AT3731a****Specification**

RSC1A1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC
Primary Accession	Q92681
Other Accession	NM_006511
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	66790

RSC1A1 Antibody (monoclonal) (M01) - 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

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.

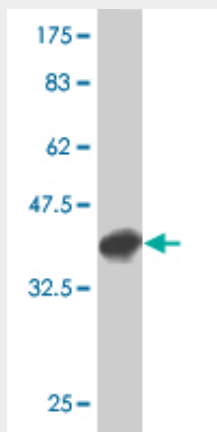
RSC1A1 Antibody (monoclonal) (M01) - Protocols

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

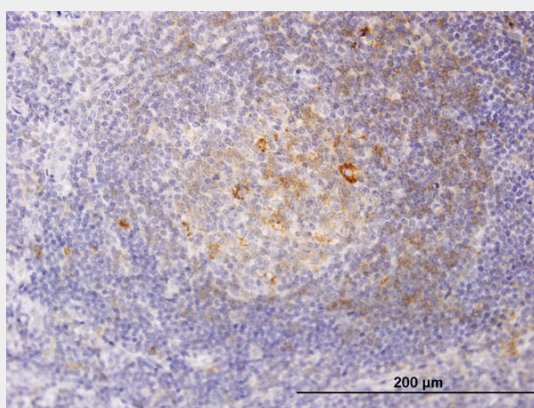
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

RSC1A1 Antibody (monoclonal) (M01) - 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]

RSC1A1 Antibody (monoclonal) (M01) - 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.