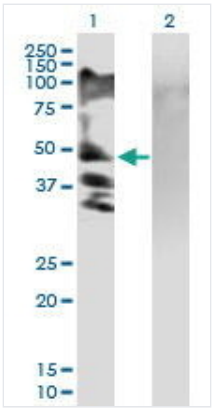
RSC1A1 Antibody – Mouse Polyclonal

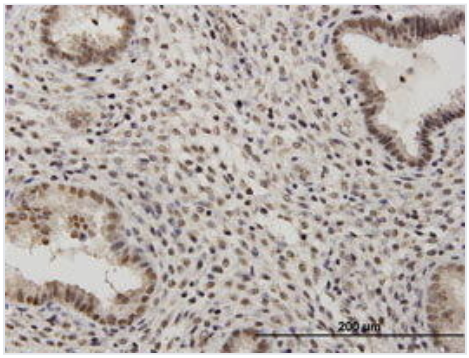
PRODUCT OVERVIEW

Product Name	RSC1A1, Polyclonal Antibody
Full Product Name	RSC1A1 (Regulatory Solute Carrier Protein Family 1 Member 1, Transporter Regulator RS1, hRS1)
Product Gene Name	anti-RSC1A1 antibody
Product Synonym Names	Anti -RSC1A1 (Regulatory Solute Carrier Protein Family 1 Member 1, Transporter Regulator RS1, hRS1)
Immunogen Sequence	MSSLPTSDGF NHPARSSGQS PDVGNPMSLA RSVSASVCPI KPSDSDRIEP KAVKALKASA EFQLNSEKKE HLSLQDLSDH ASSADHAPTD QSPAMPMQNS SEEITVAGNL EKSAERSTQG LKFHLHTRQE ASLSVTSTRM HEPQMFLGEK DWHPENQNLS QVSDPQQHEE PGNEQYEVAQ QKASHDQEYL CNIGDLELPE ERQQNQHKIV DLEATMKGNG LPQNVDPPSA KKSIPSSECS GCSNSETFME IDTAQQSLVT LLNSTGRQNA NVKNIGALDL TLDNPLMEVE TSKCNPSSEI LNDSISTQDL QPPETNVEIP GTNKEYGHYS SPSLCGSCQP SVESAEESCP SITAALKELH ELLVVSSKPA SENTSEEVIC QSETIAEGQT SIKDLSERWT QNEHLTQNEQ CPQVSFHQAI SVSVETEKLT GTSSDTGREA VENVNFRSLG DGLSTDKEGV PKSRESINKN RSVTVTSAKT SNQLHCTLGV EISPKLLAGE EDALNQTSEQ TKSLSSNFIL VKDLGQGIQN SVTDRPETRE NVCPDASRPL LEYEPPTSHP SSSPAILPPL IFPATDIDRI LRAGFTLQEA LGALHRVGGN ADLALLVLLA KNIVVPT
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human RSC1A1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	66,790 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (15986364..15988217). Location: 1p36.1
OMIM	601966
3D Structure	ModBase 3D Structure for Q92681
Immunogen	Full length human RSC1A1, aa1-617 (NP_006502.1).
Product Categories/Family for anti-RSC1A1 antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-RSC1A1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-RSC1A1 antibody	Suitable for use in Immunofluorescence, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml

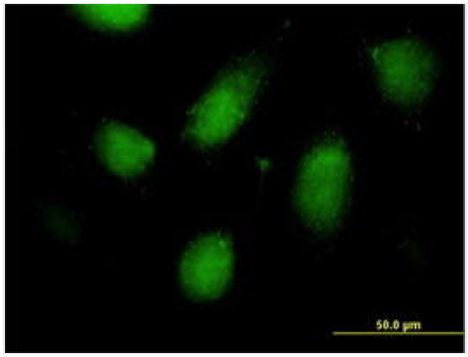
Related Product Information for anti-RSC1A1 antibody	RSC1A1 mediates transcriptional and post-transcriptional regulation of SLC5A1. The protein inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1 and is also involved in transcriptional regulation of SLC22A2. It exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network.
Other Notes	Small volumes of anti-RSC1A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RSC1A1 purchase	MBS6004502 is an antibody targeting RSC1A1. Also known as RSC1A1 (Regulatory Solute Carrier Protein Family 1 Member 1, Transporter Regulator RS1, hRS1). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-RSC1A1 antibody
Western Blot analysis of RSC1A1 expression in transfected 293T cell line by RSC1A1 polyclonal antibody. Lane 1: RSC1A1 transfected lysate (67.87kD). Lane 2: Non-transfected lysate.



Immunohistochemistry (IHC) of anti-RSC1A1 antibody
Immunoperoxidase of purified antibody to RSC1A1 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 3ug/ml]



Immunofluorescence (IF) of anti-RSC1A1 antibody
Immunofluorescence of purified antibody to RSC1A1 on HeLa cell. [antibody concentration 10ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RSC1A1. It may not necessarily be applicable to this product.

NCBI GI #	5730021
NCBI GeneID	6248
NCBI Accession #	NP_006502.1
UniProt Primary Accession #	Q92681
UniProt Secondary Accession #	B2RBP5
UniProt Related Accession #	Q92681
GenBank Nucleotide #	NM_006511.1
NCBI Official Full Name	regulatory solute carrier protein family 1 member 1

NCBI Official Synonym Full Names	regulatory solute carrier protein, family 1, member 1
NCBI Official Symbol	RSC1A1
NCBI Official Synonym Symbols	RS1
UniProt Protein Name	Regulatory solute carrier protein family 1 member 1
UniProt Synonym Protein Names	Transporter regulator RS1
Protein Family	Regulatory solute carrier protein family
UniProt Gene Name	RSC1A1
UniProt Synonym Gene Names	hRS1
UniProt Entry Name	RSCA1_HUMAN
NCBI Protein Information	regulatory solute carrier protein family 1 member 1; transporter regulator RS1
UniProt Comments for RSC1A1	RSC1A1: Mediates transcriptional and post-transcriptional regulation of SLC5A1. Inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1. Also involved in transcriptional regulation of SLC22A2. Exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network. Protein type: Vesicle Chromosomal Location of Human Ortholog: 1p36.1 Cellular Component: nucleoplasm; Golgi apparatus; intracellular membrane-bound organelle; plasma membrane; nucleus; cell junction Molecular Function: ion channel inhibitor activity Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent; transport; negative regulation of transport
Research Articles on RSC1A1	**1.** Observational study of gene-disease association. (HuGE Navigator)
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