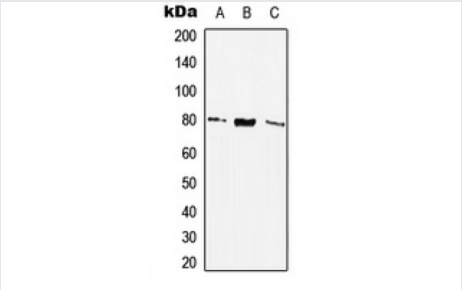
SSTR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SSTR2, Polyclonal Antibody
Full Product Name	SSTR2 Antibody
Product Gene Name	anti-SSTR2 antibody
Product Synonym Names	Purified Polyclonal SSTR2 Antibody; Polyclonal SSTR2 antibody; Anti-SSTR2 antibody; Somatostatin receptor type 2 antibody; SS-2-R antibody; SS2-R antibody; SS2R antibody; SRIF-1 antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Supplied in liquid form in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3 with 30% Glycerol and 0.01% Sodium Azide
Purity/Purification	Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of SSTR2 protein
Preparation and Storage	Store at 4 degree C for short term storage. For long term, aliquot and store at -20 degree C. Avoid repeat freeze/thaw cycles.
OMIM	182452
3D Structure	ModBase 3D Structure for P30874
Immunogen	SSTR2 antibody was raised in Rabbit using a KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SSTR2 as the immunogen
Cross-Reactivity	Mouse, Rat, Bovine, Chicken, Dog, Pig, Sheep
Product Categories/Family for anti-SSTR2 antibody	Signal Transduction
Applications Tested/Suitable for anti-SSTR2 antibody	Western Blot (WB)
Application Notes for anti-SSTR2 antibody	WB: 1:500-1:1000
Related Product Information for anti-SSTR2 antibody	SSTR2 is a receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins.
Other Notes	Small volumes of anti-SSTR2 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 SSTR2 purchase	MBS5315953 is an antibody targeting SSTR2. Also known as SSTR2 Antibody. Host: Rabbit.



Western Blot (WB) of anti-SSTR2 antibody
Western blot analysis of SSTR2 expression in THP1 (A); NIH3T3 (B); H9C2 (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSTR2. It may not necessarily be applicable to this product.

NCBI GI #	4557859
NCBI GeneID	6752
UniProt Primary Accession #	P30874
UniProt Related Accession #	P30874
GenBank Nucleotide #	NP_001041.1
NCBI Official Full Name	somatostatin receptor type 2
NCBI Official Synonym Full Names	somatostatin receptor 2
NCBI Official Symbol	SSTR2
UniProt Protein Name	Somatostatin receptor type 2
UniProt Synonym Protein Names	SRIF-1
Protein Family	Somatostatin receptor
UniProt Gene Name	SSTR2
UniProt Synonym Gene Names	SS-2-R; SS2-R; SS2R
UniProt Entry Name	SSR2_HUMAN
NCBI Protein Information	somatostatin receptor type 2
NCBI Summary for SSTR2	Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. [provided by RefSeq, Jul 2008]

UniProt Comments for SSTR2	SSTR2: Receptor for somatostatins-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. In RIN-5F cells, this receptor inhibits calcium entry by suppressing voltage dependent calcium-channels. The C-terminus interacts with SHANK1 PDZ domain. Cerebrum and kidney. In lesser amounts in jejunum, colon and liver. Belongs to the G-protein coupled receptor 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; GPCR, family 1; Membrane protein, multi-pass; Receptor, GPCR Chromosomal Location of Human Ortholog: 17q24 Cellular Component: neuron projection; integral to plasma membrane; cytoplasm; plasma membrane Molecular Function: neuropeptide binding; protein binding; somatostatin receptor activity; PDZ domain binding Biological Process: peristalsis; regulation of muscle contraction; response to starvation; synaptic transmission; negative regulation of cell proliferation; G-protein signaling, coupled to cyclic nucleotide second messenger; cell-cell signaling; neuropeptide signaling pathway; forebrain development; digestion; cerebellum development; spermatogenesis; G-protein signaling, adenylate cyclase inhibiting pathway; response to nutrient
Research Articles on SSTR2	**1.** Minute pulmonary meningothelial-like nodules cells closely resemble SSTR2a-positive meningothelial cells.
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