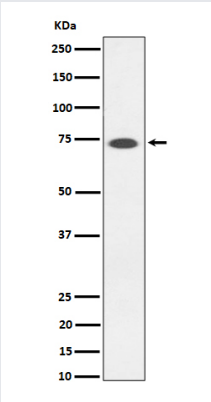
SSTR3 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	SSTR3, Monoclonal Antibody
Full Product Name	Anti-SSTR3 Rabbit Monoclonal Antibody
Product Gene Name	anti-SSTR3 antibody
Clonality	Monoclonal
Isotype	IgG
Clone Number	29S11
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Purity/Purification	Affinity-chromatography
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. (lot specific)
Preparation and Storage	Store at -20 degree C for one year. For short term storage and frequent use, store at 4 degree C for up to one month. Avoid repeated freeze-thaw cycles.
Molecular Weight	45,847 Da
OMIM	182453
3D Structure	ModBase 3D Structure for P32745
Immunogen	A synthesized peptide derived from human SSTR3
Product Categories/Family for anti-SSTR3 antibody	Primary Antibodies, Rabbit Monoclonal Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-SSTR3 antibody	Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-SSTR3 antibody	WB: 1:500-1:2000 FC: 1:50
Related Product Information for anti-SSTR3 antibody	MBS1757394 is an antibody targeting SSTR3. Also known as Anti-SSTR3 Rabbit Monoclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-SSTR3 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.



Western Blot (WB) of anti-SSTR3 antibody
Western blot analysis of SSTR3 expression in Somatostatin Receptor 3 SSTR3 transfected 293T cell lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSTR3. It may not necessarily be applicable to this product.

NCBI GI #	4557861
NCBI GeneID	6753
NCBI Accession #	NP_001042.1
UniProt Primary Accession #	P32745
UniProt Secondary Accession #	Q53ZR7; A8K550
UniProt Related Accession #	P32745
GenBank Nucleotide #	NM_001051.4
NCBI Official Full Name	somatostatin receptor type 3
NCBI Official Synonym Full Names	somatostatin receptor 3
NCBI Official Symbol	SSTR3
NCBI Official Synonym Symbols	SS3R; SS3-R; SS-3-R; SSR-28
UniProt Protein Name	Somatostatin receptor type 3
UniProt Synonym Protein Names	SSR-28
Protein Family	Somatostatin receptor
UniProt Gene Name	SSTR3
UniProt Synonym Gene Names	SS-3-R; SS3-R; SS3R
UniProt Entry Name	SSR3_HUMAN
NCBI Protein Information	somatostatin receptor type 3
NCBI Summary for SSTR3	This gene encodes a member of the somatostatin receptor protein family. Somatostatins are peptide hormones that regulate diverse cellular functions such as neurotransmission, cell proliferation, and endocrine signaling as well as inhibiting the release of many hormones and other secretory proteins. Somatostatin has two active forms of 14 and 28 amino acids. The biological effects of somatostatins are mediated by a family of G-protein coupled somatostatin receptors that are expressed in a tissue-specific manner. Somatostatin receptors form homodimers and heterodimers with other members of the superfamily as well as with other G-protein coupled receptors and receptor tyrosine kinases. This protein is functionally coupled to adenylyl cyclase. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

UniProt Comments for SSTR3	SSTR3: Receptor for somatostatins-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; GPCR, family 1; Receptor, GPCR Chromosomal Location of Human Ortholog: 22q13.1 Cellular Component: neuron projection; nonmotile primary cilium; integral to plasma membrane; cytoplasm; plasma membrane Molecular Function: neuropeptide binding; somatostatin receptor activity; protein binding Biological Process: 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; induction of apoptosis by hormones; organelle organization and biogenesis; forebrain development; cerebellum development; spermatogenesis; regulation of insulin secretion
Research Articles on SSTR3	**1.** constitutive SSTR3 activity mediates transcriptional repression of GH.
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