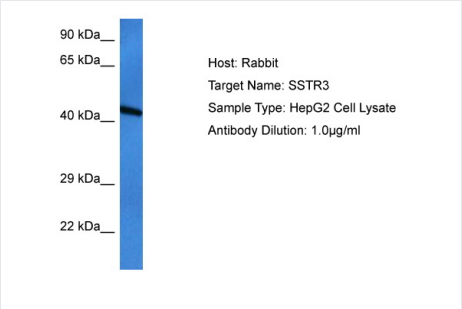
SSTR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SSTR3, Polyclonal Antibody
Full Product Name	SSTR3 Antibody - middle region
Product Gene Name	anti-SSTR3 antibody
Product Synonym Gene Name	SS3R; SS3-R; SS-3-R; SSR-28
Immunogen Sequence	Synthetic peptide located within the following region: VNVVCPLPEE PAFFGLYFLV VALPYANSCA NPILYGFLSY RFKQGFRRVL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	SSTR3 peptide (MBS3245971) is used for blocking the activity of SSTR3 antibody (MBS3221203)
Molecular Weight	46 kDa
OMIM	182453
3D Structure	ModBase 3D Structure for P32745
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SSTR3
Product Categories/Family for anti-SSTR3 antibody	Polyclonal; Membrane Protein; Tissue Specific & Cell Marker
Applications Tested/Suitable for anti-SSTR3 antibody	Western Blot (WB)
Related Product Information for anti-SSTR3 antibody	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.
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.
Searchable Terms for SSTR3 purchase	MBS3221203 is an antibody targeting SSTR3. Also known as SSTR3 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SSTR3 antibody
Host: RabbitTarget Name: SSTR3Sample Tissue: Human HepG2 Whole Cell lysatesAntibody Dilution: 1ug/ml

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 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

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.** the C-terminal phosphorylation motif of the human sst3 receptor that regulates its agonist-promoted phosphorylation, beta-arrestin recruitment, and internalization of this clinically relevant receptor, is reported.
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