SSTR1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SSTR1, Blocking Peptide
Full Product Name	SSTR1 Peptide - C-terminal region
Product Gene Name	SSTR1 blocking peptide
Product Synonym Gene Name	SRIF-2
Sequence	RMVALKAGWQ QRKRSERKIT LMVMMVVMVF VICWMPFYVV QLVNVFAEQD
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SSTR1 peptide (MBS3239332) is used for blocking the activity of SSTR1 antibody (MBS3214395)
Molecular Weight	43kDa
Product Categories/Family for SSTR1 blocking peptide	Peptide
Applications Tested/Suitable for SSTR1 blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for SSTR1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SSTR1 Antibody, made Target Description: Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biological effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. The encoded protein is a member of the superfamily of somatostatin receptors having seven transmembrane segments, and is expressed in highest levels in jejunum and stomach.
Other Notes	Small volumes of SSTR1 blocking peptide 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 SSTR1 purchase	MBS3239332 is a blocking peptide targeting SSTR1. Also known as SSTR1 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSTR1. It may not necessarily be applicable to this product.

NCBI GI #	4557857
NCBI GeneID	6751
NCBI Accession #	NP_001040
UniProt Primary Accession #	P28646
UniProt Related Accession #	P30872
GenBank Nucleotide #	NM_001049
NCBI Official Full Name	somatostatin receptor type 1
NCBI Official Synonym Full Names	somatostatin receptor 1

NCBI Official Symbol	SSTR1
NCBI Official Synonym Symbols	SS1R; SS1-R; SRIF-2; SS-1-R
UniProt Protein Name	Somatostatin receptor type 1
UniProt Synonym Protein Names	SRIF-2
Protein Family	Somatostatin receptor
UniProt Gene Name	Sstr1
UniProt Synonym Gene Names	SS-1-R; SS1-R; SS1R
UniProt Entry Name	SSR1_RAT
NCBI Protein Information	somatostatin receptor type 1
NCBI Summary for SSTR1	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. The protein encoded by this gene is a member of the superfamily of somatostatin receptors having seven transmembrane segments. 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 somatostatin receptor has greater affinity for somatostatin-14 than -28. [provided by RefSeq, Jul 2012]
Research Articles on SSTR1	**1.** High SSTR1 expression is associated with hepatocellular and cholangiocellular carcinomas in tumor capillaries.
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