

**SSTR1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14037b****Specification**

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**SSTR1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P30872](#)**SSTR1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6751**Other Names**

Somatostatin receptor type 1, SS-1-R, SS1-R, SS1R, SRIF-2, SSTR1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14037b was selected from the C-term region of SSTR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SSTR1 Antibody (C-term) Blocking peptide - Protein Information****Name** SSTR1**Function**

Receptor for somatostatin with higher affinity for somatostatin-14 than -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and Na(+)/H(+) exchanger via pertussis toxin insensitive G proteins.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach

## **SSTR1 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **SSTR1 Antibody (C-term) Blocking peptide - Images**

## **SSTR1 Antibody (C-term) Blocking peptide - Background**

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. [provided by RefSeq].

## **SSTR1 Antibody (C-term) Blocking peptide - References**

Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Pisarek, H., et al. Folia Histochem. Cytobiol. 48(1):142-147(2010) Johansson, M., et al. Cancer Epidemiol. Biomarkers Prev. 18(5):1644-1650(2009) Casarini, A.P., et al. Pituitary 12(4):297-303(2009)