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

Specification

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

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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 ofmany hormones and other secretory proteins. The biological effectsof somatostatin are probably mediated by a family of Gprotein-coupled receptors that are expressed in a tissue-specificmanner. The encoded protein is a member of the superfamily ofsomatostatin receptors having seven transmembrane segments, and isexpressed in highest levels in jejunum and stomach. [provided byRefSeq].

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)