

Anti-Somatostatin Receptor 1 Antibody
Catalog # ABO11003**Specification**

Anti-Somatostatin Receptor 1 Antibody - Product Information

Application	WB, IHC
Primary Accession	P30872
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Somatostatin receptor type 1(SSTR1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Somatostatin Receptor 1 Antibody - Additional Information

Gene ID 6751

Other Names

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

Calculated MW

42686 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Rat, Human, Mouse, By Heat

Western blot, 0.1-0.5 µg/ml, Rat, Human, Mouse

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

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

Protein Name

Somatostatin receptor type 1(SS-1-R/SS1-R/SS1R)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human Somatostatin Receptor 1(361-381aa RAYSVEDFQPENLESGGVFRN), identical to the related rat and mouse sequences.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Somatostatin Receptor 1 Antibody - Protein Information

Name SST1

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.

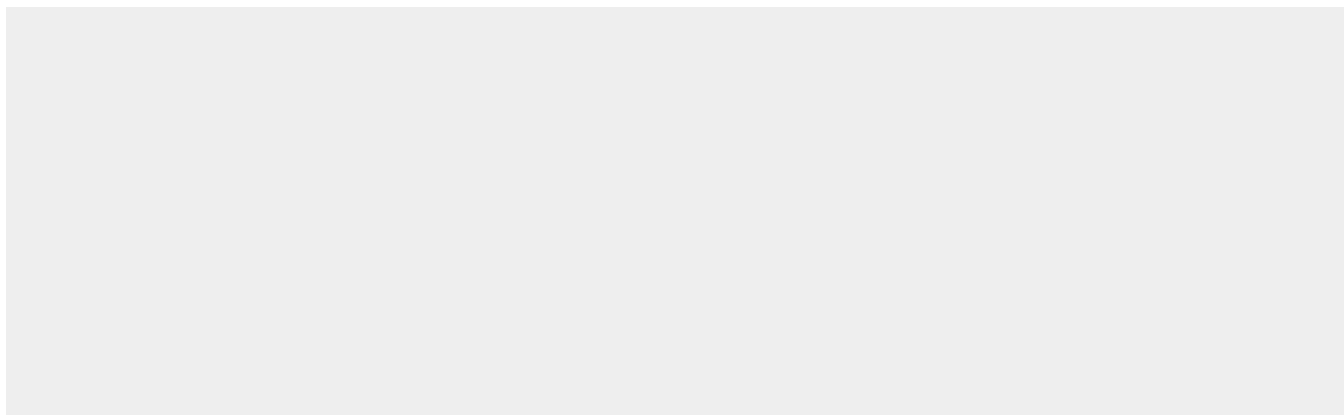
Tissue Location

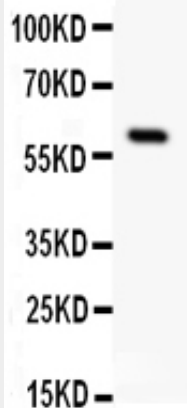
Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach

Anti-Somatostatin Receptor 1 Antibody - Protocols

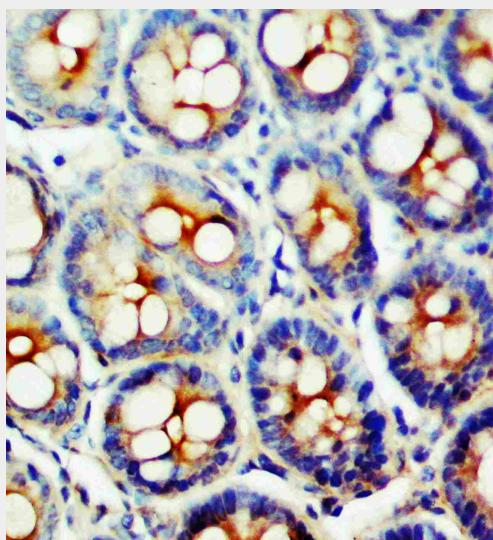
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Somatostatin Receptor 1 Antibody - Images



Anti-SSTR1 antibody, ABO11003, Western blotting All lanes: Anti SSTR1 (ABO11003) at 0.5ug/ml WB: Rat Intestine Tissue Lysate at 50ug Predicted bind size: 43KD Observed bind size: 60KD



Anti-SSTR1 antibody, ABO11003, IHC(P) IHC(P): Rat Intestine Tissue

Anti-Somatostatin Receptor 1 Antibody - Background

SSTR1 (Somatostatin receptor type 1) is a protein that in humans is encoded by the SSTR1 gene. The SSTR1 gene is mapped to chromosome 14. 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.