

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

Application	WB, IHC
Primary Accession	<a href="#">P30872</a>
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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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 r°Constitution, 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** 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.

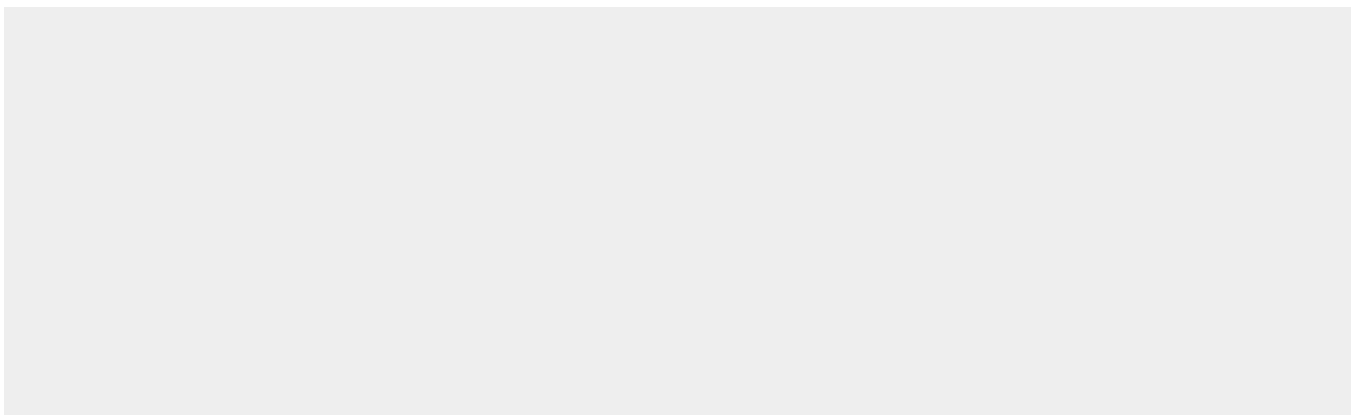
**Tissue Location**

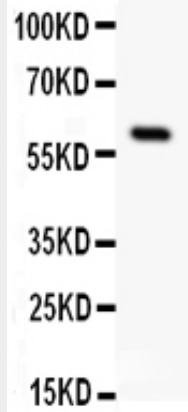
Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach

**Anti-Somatostatin Receptor 1 Antibody - Protocols**

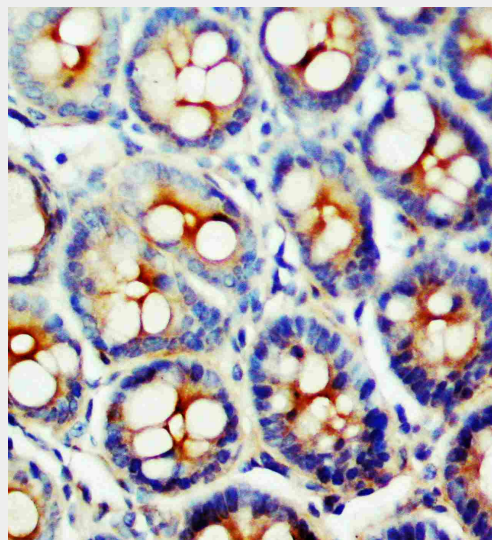
Provided below are standard protocols that you may find useful for product applications.

- [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.