

# Rabbit anti Somatostatin Receptor 1 Polyclonal Antibody

Alternative Name(s): somatostatin receptor 1; SSTR1

# **Order Information**

• Description: SSTR1/Somatostatin Receptor 1

Catalogue: 500-4094Lot: See labelSize: 100ug/200ulHost: Rabbit

• Clone: nan

Application: IHC(P), WB
Reactivity: Hu, Ms, Rt

## **ANTIGEN PREPARATION**

A synthetic peptide of LK SRA YSV EDF QPE NLE S derived from STR protein. It is identical to human, mice and rat.

## **BACKGROUND**

SSTR1, Somatostatin Receptor 1, is a member of the superfamily of somatostatin receptors having seven transmembrane segment. 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. 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.

## **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

#### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

# **SPECIFICITY**

This antbody recognizes SSTR1/Somatostatin Receptor 1 protein. It reacts to human, mice and rat. The other species not tested.

# **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

# **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

• Western Blot: 0.1-1 µg/ml

• ELISA: 0.01-0.1 µg/ml

• Immunoprecipitation: 2-5 µg/ml

• IHC: 2-10 µg/ml

· Flow cytometry: Not tested

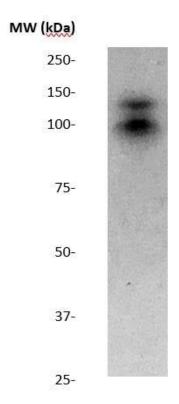
• Molecular Weight: 120.0

• Positive Control: Kidney Tissue

• Cellular Location: Cell Membrane

<sup>\*</sup>Optimal dilutions should be determined by researchers for the specific applications.





Western Blot: The tissue lysate derived from mouse liver was immunoprobed by Rabbit anti SSTR1 (Cat#500-4094) at 1:500. Observed a major immunoreactive band at molecular weight ~120kDa.

# **REFERENCES**