

Datasheet for ABIN685552

anti-SSTR3 antibody**3** Images[Go to Product page](#)

Overview

| | |
|--------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | SSTR3 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SSTR3 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human SSTR3 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | SSTR3 |
| Alternative Name: | Sstr3 (SSTR3 Products) |
| Background: | <p>Synonyms: somatostatin receptor 3, OTTHUMP00000028737, Smstr3, Somatostatin receptor 3, Somatostatin receptor subtype 3, Smstr 3, SS 3R, SS-3-R, SS3-R, SSR-28, SSR3_HUMAN, Sst3, SSTR 3, Somatostatin receptor type 3, SS3R, SSR28, Sst3, SSTR 3, SSTR3.</p> <p>Background: Somatostatin is a tetradecapeptide that is widely distributed in the body. It acts on</p> |

Target Details

multiple organs in the body and also functions as a neuropeptide affecting electrical activity of neurons. Somatostatin acts to regulate numerous physiological processes by binding to and activating specific receptors in target tissues. There are five somatostatin receptor subtypes termed SSTR 1 to 5. They are G protein coupled receptors characterized by seven transmembrane helices with an extracellular amino terminal domain and an intracellular carboxy terminus. These receptors are activated by somatostatin secreted by nerve and endocrine cells and function in the regulation of numerous physiological processes such as the secretion of insulin, glucagon and growth hormone. The SSTRs also play a role in cell growth induced by neuronal excitation in both the central and peripheral nervous system. Somatostatin receptors have been implicated in numerous diseases ranging from Alzheimer's to cancers of the gastrointestinal tract, breast, prostate, and pituitary.

Gene ID: 6753

Application Details

Application Notes: WB(1:100-1000), IHC-P(1:100-500), IF(IHC-P)(1:50-200)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

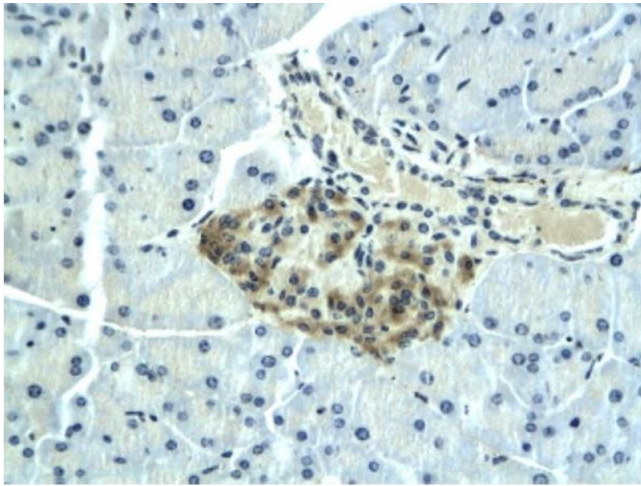
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

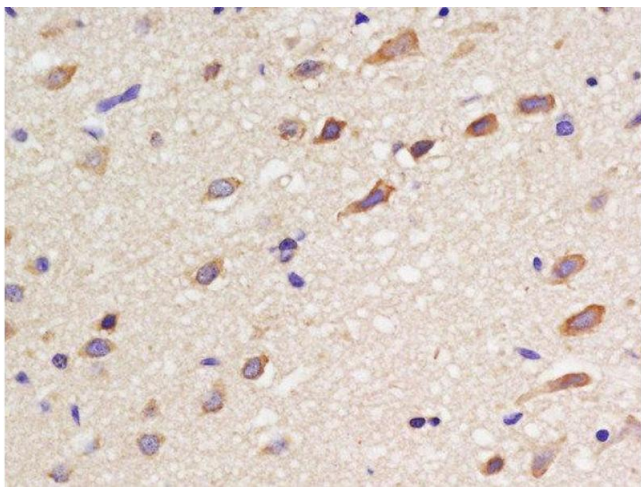
Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



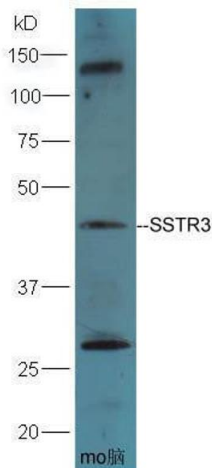
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat pancreas labeled with Anti-SSTR3 Polyclonal Antibody, Unconjugated (ABIN685552) followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-SSTR3 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 3. Mouse Brain lysates probed with Rabbit Anti-SSTR3 Polyclonal Antibody, Unconjugated at 1: 5000 for 90min at 37°C.