

**Alexa488-labeled Antibody to Somatostatin Receptor-4 (SSTR4), Affinity-Purified
RABBIT POLYCLONAL**

Catalog Number: AB-N21AP-FLA
Quantity: 50 micrograms
Format: 50% PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 50% glycerol; no preservative.
Host: Rabbit
Immunogen: peptide corresponding to the extracellular domain of rat SSTR4 conjugated to keyhole limpet hemocyanin (KLH)

Background: Somatostatin Receptor-4 is one of five receptor subtypes termed SSTR1-5. They are G-protein-coupled receptors characterized by seven transmembrane domains with an extracellular amino terminal domain and an intracellular carboxy terminus. These receptors function in the regulation of numerous physiological processes such as the secretion of insulin, glucagon, and growth hormone, as well as cell growth induced by neuronal excitation in both the central and peripheral nervous systems. Somatostatin receptors are activated via somatostatin secretion in nerve and endocrine cells.

Specificity & Preparation: This antibody was raised against rat somatostatin receptor-4 (SSTR4) and recognizes SSTR4 in rat. The SSTR antisera was developed in rabbit using a peptide (Cat. #PR-07) corresponding to the extracellular domain conjugated to keyhole limpet hemocyanin (KLH) for immunization. Antisera was then affinity-purified with the peptide utilized for immunization. It has been conjugated to the fluorescent dye Alexa488. The antibody is routinely tested by immunoblotting.

Usage: Applications include immunoblotting (ATS in-house) using a dilution of 1:500-1:1,000 and ELISA (ATS in-house).

Storage: Gently spin down material 5-10 seconds in a microfuge before use. The material can be handled safely using normal laboratory precautions. Store the antibody at -20°C for up to one year.



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Control(s): SSTR4 peptide

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