

**Antibody to Somatostatin Receptor-4 (SSTr4), Affinity-Purified  
RABBIT POLYCLONAL**

**Catalog Number:** AB-N21AP  
**Quantity:** 50 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 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.

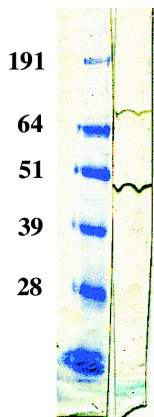
**Specificity and Preparation:**

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. The antibody is routinely tested by immunoblotting.

**Usage and Storage:**

Applications include immunoblotting (ATS in-house) using a dilution of 1:500-1:1,000 and ELISA (ATS in-house). Store the antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

**Available Control(s):** SSTr4 peptide



Lane 1: Molecular weight standards (Invitrogen SeeBlue)  
Lane 2: 80 µg of rat brain membrane extract probed with AB-N21AP at a 1:100 dilution.