

## Anti-Somatostatin Receptor 2/SSTR2 Antibody

Catalog Number: PA1694

### About SSTR2

SSTR2 (Somatostatin receptor type 2) is a protein that in humans is encoded by the SSTR2 gene. Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. Stable SSTR2 transfection of human pancreatic cells, which do not endogenously express SSTR2, inhibits cell proliferation, tumorigenicity, and metastasis. These effects occur as a consequence of an autocrine SSTR2-dependent loop, whereby SSTR2 induces expression of its own ligand, somatostatin. SSTR2 mRNA was variably expressed in all neuroblastoma tumors with a relevant reduction in the more advanced stage.

### Overview

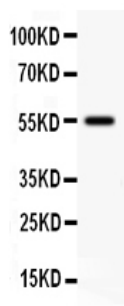
Product Name	Anti-Somatostatin Receptor 2/SSTR2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Somatostatin Receptor 2/SSTR2 Antibody catalog # PA1694. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each 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> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P30874

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Somatostatin Receptor 2, identical to the related rat and mouse sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Rat, Human, Mouse</p>

## Anti-Somatostatin Receptor 2/SSTR2 Antibody (PA1694) Images



Anti-SSTR2 antibody, PA1694, Western blotting  
All lanes: Anti SSTR2 (PA1694) at 0.5ug/ml  
WB: Rat Lung Tissue Lysate at 50ug  
Predicted bind size: 41KD  
Observed bind size: 55KD

## 2 Publications Citing This Product

1. PubMed ID: 28810643, Li M, Wang S, Wang S, Zhang L, Wu D, Yang R, Ji A, Li Y, Wang J. Exp Ther Med. 2017 Aug;14(2):1732-1738. doi: 10.3892/etm.2017.4651. Epub 2017 Jun 22. Occludin downregulation in high glucose is regulated by SSTR2 via the VEGF/NRP1/Akt signaling pa...
2. PubMed ID: 23991955, Guo Rs, Shi Pd, Zhou J, Chen Yy. Asian Pac J Cancer Prev. 2013;14(7):4071-5. Somatostatin Receptors 3, 4 And 5 Play Important Roles In Gallbladder Cancer.

Visit [bosterbio.com/anti-somatostatin-receptor-2-antibody-pa1694-boster.html](http://bosterbio.com/anti-somatostatin-receptor-2-antibody-pa1694-boster.html) to see all 2 publications.

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