

## Anti-Somatostatin/SST Antibody Picoband®

Catalog Number: PA2054

### About SST

SST (Somatostatin), also known as SMST, is a peptide hormone. Naylor et al. (1983) assigned the somatostatin gene to chromosome 3 by analyzing somatic cell hybrids with a polymorphic gene probe. Yacubova and Komuro (2002) examined the effects of somatostatin in cerebellar granule cells of early postnatal mice, because these cells express all 5 types of somatostatin receptors before the initiation of their migration. Saito et al. (2005) found that somatostatin modulated the proteolytic degradation of beta-amyloid catalyzed by neprilysin both in vitro and in vivo.

### Overview

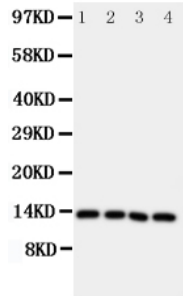
Product Name	Anti-Somatostatin/SST Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Somatostatin/SST Antibody catalog # PA2054. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P61278

### Technical Details

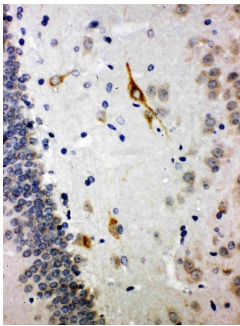
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Somatostatin, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F).
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	Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Rat, Human, Mouse Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

## Anti-Somatostatin/SST Antibody Picoband® (PA2054) Images



Anti-Somatostatin antibody, PA2054, Western blotting  
Lane 1: Rat Brain Tissue Lysate  
Lane 2: HELA Cell Lysate  
Lane 3: SW620 Cell Lysate  
Lane 4: MCF-7 Cell Lysate



Anti-Somatostatin antibody, PA2054, IHC(P)  
IHC(P): Rat Brain Tissue

## 5 Publications Citing This Product

1. PubMed ID: 17465454, Zong Yf, Chen Wh, Zhang Ys, Zou Sx. World J Gastroenterol. 2007 Apr 14;13(14):2094-9. Effects Of Intra-Gastric Beta-Casomorphin-7 On Somatostatin And Gastrin Gene Expression In Rat Gastric Mucosa.
2. PubMed ID: 23928218, Chen M, He M, Peng K, Liu T, Jin C, Cao W, Wang L, Xiao K. Tissue Cell. 2013 Dec;45(6):363-6. Doi: 10.1016/J.Tice.2013.06.002. Epub 2013 Aug 5. An Immunohistochemical Study Of Somatostatin In The Stomach And The Small Intestine Of The African Ostr...
3. PubMed ID: 25440532, Wang H, Zhou N, Zhang R, Wu Y, Zhang R, Zhang S. Acta Histochem. 2014 Oct;116(8):1418-26. Doi: 10.1016/J.Acthis.2014.09.005. Epub 2014 Oct 23. Identification And Localization Of Gastrointestinal Hormones In The Skin Of The Bullfrog Rana Catesbeian...

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