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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Somatostatin/SST Antibody

Catalog Number: PA1346

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
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Somatostatin/SST Antibody catalog # PA1346. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	FITC
Application	IHC, ICC, WB
Clonality	Monoclonal BAM-10
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
Host	Hamster
Uniprot ID	P61278

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence Somatostatin, identical to the related mouse and rat sequences.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P), IHC(F) and ICC.
Cross Reactivity	No cross reactivity with other proteins
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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Purification	Immunogen Affinity Purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunocytochemistry , 0.5-1ug/ml, Human, Mouse, Rat Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Rat, Human, Mouse Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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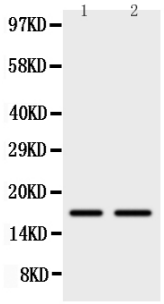
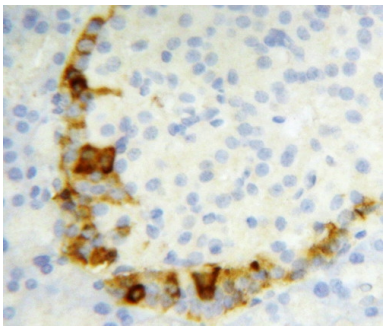
Anti-Somatostatin/SST Antibody (PA1346) Images



Anti-Somatostatin antibody, PA1346, Western blotting
Lane 1: HT1080 Cell Lysate
Lane 2: SW620 Cell Lysate



Anti-Somatostatin antibody, PA1346, IHC(P)
IHC(P): Rat Pancreas Tissue

4 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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