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Datasheet for ABIN1098123

anti-Somatostatin antibody (AA 1-116)

5 Images

2 Publications

Overview

Quantity:	0.1 mg
Target:	Somatostatin (SST)
Binding Specificity:	AA 1-116
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human SST (AA: 1-116) expressed in E. coli.
Clone:	7G5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Somatostatin (SST)
Alternative Name:	SST (SST Products)
Target Type:	Chemical
Background:	Description: The preproprotein encoded by this gene. Somatostatin is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G-

Target Details

protein-coupled somatostatin receptors. This hormone is an important regulator of the endocrine system through its interactions with pituitary growth hormone, thyroid stimulating hormone, and most hormones of the gastrointestinal tract. Somatostatin also affects rates of neurotransmission in the central nervous system and proliferation of both normal and tumorigenic cells.

Aliases: SMST

Molecular Weight: 12.7 kDa

Gene ID: 6750

HGNC: 6750

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

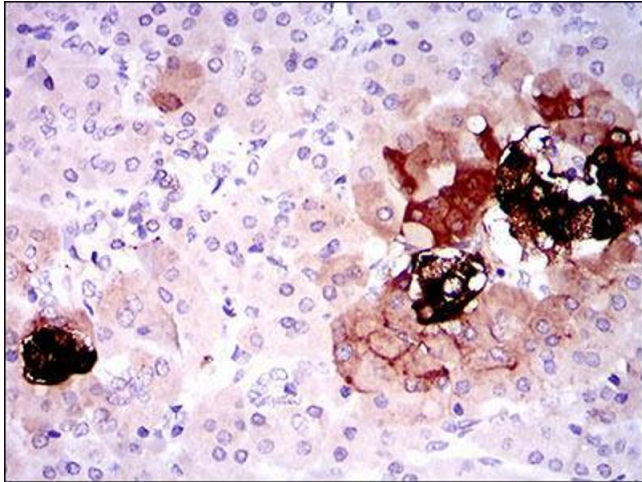
Publications

Product cited in: Xu, Cao, Wang, Xu, Chen, Xu: "VEGF promotes the transcription of the human PRL-3 gene in HUVEC through transcription factor MEF2C." in: **PLoS ONE**, Vol. 6, Issue 11, pp. e27165, (2011) ([PubMed](#)).

Stephens, Stephens, Hobbs, Hutmacher, Bacic-Welsh, Woodruff, Morrison: "Myocyte enhancer factor 2c, an osteoblast transcription factor identified by dimethyl sulfoxide (DMSO)-enhanced mineralization." in: **The Journal of biological chemistry**, Vol. 286, Issue 34, pp. 30071-86, (2011)

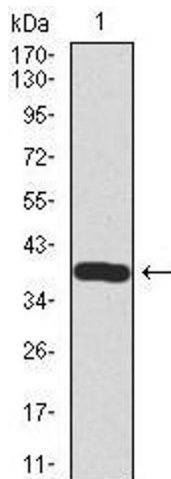
) (PubMed).

Images



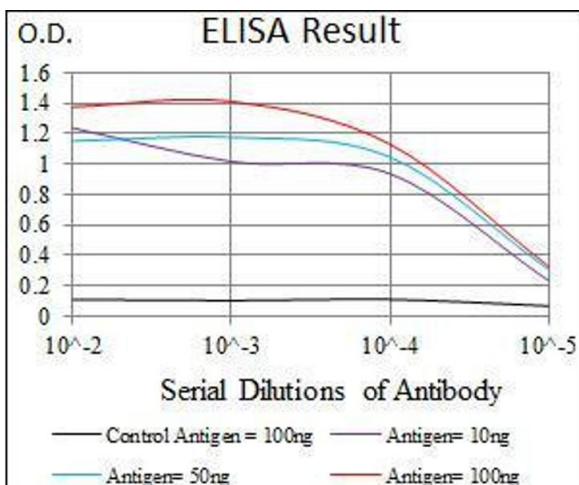
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded pancreas tissues using SST mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using SST mAb against human SST recombinant protein. (Expected MW is 38.2 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1098123.