

SST Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1764a**Specification****SST Antibody - Product Information**

Application	E, WB, FC, IHC
Primary Accession	P61278
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	12.7kDa KDa

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-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.

Immunogen

Purified recombinant fragment of human SST (AA: 1-116) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

SST Antibody - Additional Information

Gene ID 6750

Other Names

Somatostatin, Growth hormone release-inhibiting factor, Somatostatin-28, Somatostatin-14, SST

Dilution

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SST Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SST Antibody - Protein Information

Name SST**Function**

[Somatostatin-14]: Inhibits the secretion of pituitary hormones, including that of growth hormone/somatotropin (GH1), PRL, ACTH, luteinizing hormone (LH) and TSH. Also impairs ghrelin- and GnRH- stimulated secretion of GH1 and LH; the inhibition of ghrelin- stimulated secretion of GH1 can be further increased by neuronostatin.

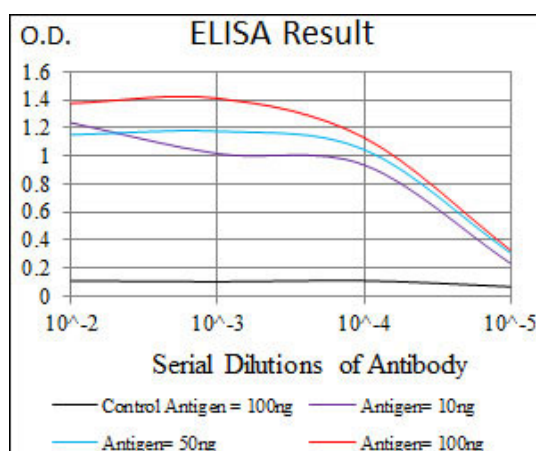
Cellular Location

Secreted {ECO:0000250|UniProtKB:P60042}.

SST Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



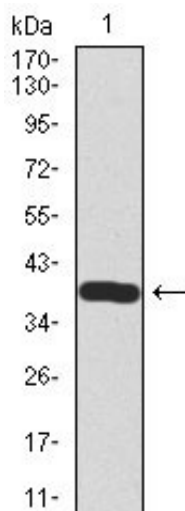


Figure 1: Western blot analysis using SST mAb against human SST recombinant protein. (Expected MW is 38.2 kDa)

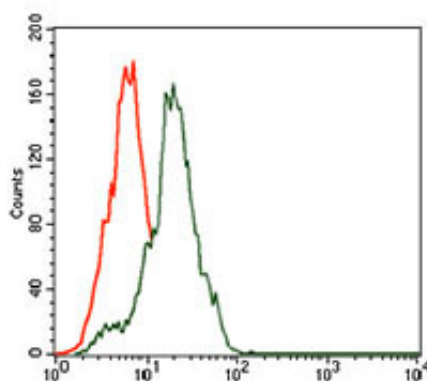


Figure 2: Flow cytometric analysis of HepG2 cells using SST mouse mAb (green) and negative control (red).

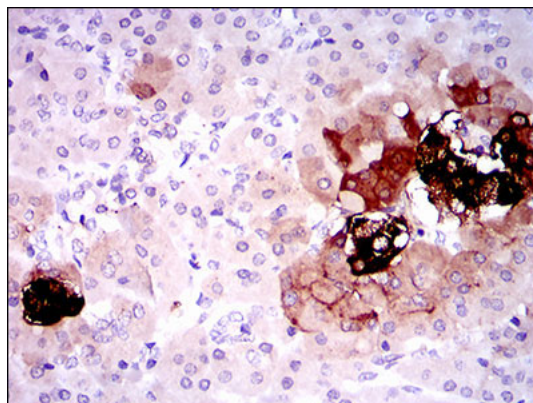


Figure 3: Immunohistochemical analysis of paraffin-embedded pancreas tissues using SST mouse mAb with DAB staining.

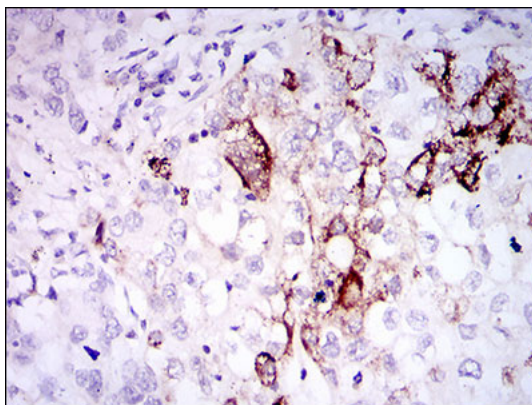


Figure 4: Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SST mouse mAb with DAB staining.

SST Antibody - References

1. Acta Neurol Scand. 2010 Apr;121(4):225-9. 2. Endocrinology. 2009 May;150(5):2254-63.