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SST Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1764a

Product Information

Application	WB, IHC, FC, E
Primary Accession	P61278
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7G5
Isotype	IgG1
Calculated MW	12736
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

Additional Information

Gene ID	6750
Other Names	Somatostatin, Growth hormone release-inhibiting factor, Somatostatin-28, Somatostatin-14, SST
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 E~~1/10000
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.

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}.

References

1.Acta Neurol Scand. 2010 Apr;121(4):225-9.2.Endocrinology. 2009 May;150(5):2254-63.

Images

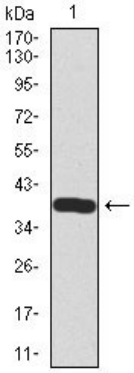


Figure 1: Western blot analysis using SST mAb against human SST recombinant protein. (Expected MW is 38.2 kDa)

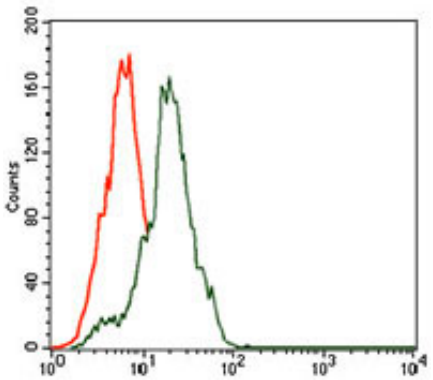


Figure 2: Flow cytometric analysis of HepG2 cells using SST mouse mAb (green) and negative control (red).

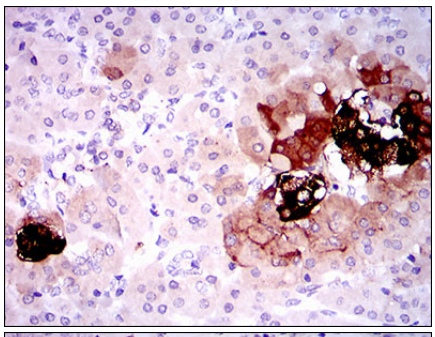


Figure 3: Immunohistochemical analysis of paraffin-embedded pancreas tissues using SST mouse mAb with DAB staining.

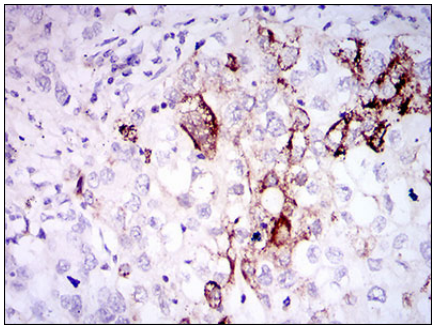


Figure 4: Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SST mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.