

Rabbit Anti-Somatostatin [EP130]: RM0177

Intended Use: For Research Use Only

Description: Somatostatin is a peptide hormone that regulates the endocrine system and affects neurotransmission and cell proliferation via interaction with G-protein-coupled somatostatin receptors and inhibition of the release of numerous secondary hormones. This hormone has two active forms produced by alternative cleavage of a single preproprotein: somatostatin-14, composed of 14 amino acids and somatostatin-28, a prohormone composed of 28 residues. Somatostatin is secreted by D-cells of the islets of Langerhans in pancreas, endocrine cells of the gastrointestinal tract, bronchopulmonary system, thymus, and C cells of the thyroid. Somatostatin positive cells may also be present in medullary thyroid carcinomas, C cell hyperplasia, thymic tumors and pulmonary small cell carcinomas. An antibody to Somatostatin can be used to identify pancreatic islet cell hyperplasia as well as islet cell tumors, such as somatostatinomas.

Specifications

Clone: EP130
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
Somatostatin Concentrated	RM0177	1 ml

IHC Procedure

Positive Control Tissue: Pancreas, somatostatinomas
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.

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