

**Somatostatin (SST) polyclonal antibody**

Catalog: BS72399

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The hormone somatostatin has active 14 aa and 28 aa forms that are produced by alternate cleavage of the single 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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

13KDa

Swiss-Prot:

P61278

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB,1:200 - 1:2000|IHC,1:50 - 1:200|IF/ICC,1:50 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Category:

Polyclonal Antibodies

DATA:

Western blot analysis of Rat brain, using Somatostatin antibody at 1:1540 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit .
Exposure time: 1s.

Immunohistochemistry of paraffin-embedded human appendix using Somatostatin antibody at dilution of 1:200 .Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Immunohistochemistry of paraffin-embedded mouse pancreas using Somatostatin antibody at dilution of 1:200 .Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Immunofluorescence analysis of rat pancreas cells using Somatostatin Rabbit pAb at dilution of 1:100 . Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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