Anti-Somatostatin Biotin
Catalog Number: 13-9751
Also known as: SST

Product Information

Contents: Anti-Somatostatin Biotin
Catalog Number: 13-9751
Clone: ICDCLS
Concentration: 0.5 mg/mL
Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze.
Batch Code: Refer to vial
Use By: Refer to vial
Contains sodium azide

Description
The monoclonal antibody ICDCLS recognizes human, mouse, and rat Somatostatin. Somatostatin, also known as growth hormone-inhibiting hormone (GHIH) or somatotrophin release-inhibiting factor (SRIF), is a peptide hormone with two active forms (14 and 28 amino acids) produced by alternative cleavage of a single preproprotein. Somatostatin is secreted by the delta cells of the islet of Langerhans in the pancreas as well as by the hypothalamus and intestine. Somatostatin has a variety of functions, such as regulating the endocrine system and affecting neurotransmission and cell proliferation. Somatostatin also inhibits the release of numerous secondary hormones, such as insulin and glucagon. Somatostatin can be used to identify medium size aspiny neurons in the striatum, cortex, and hippocampus. Expression of somatostatin is present in hyperplasia of the pancreatic islets as well as islet cell tumors such as somatostatinomas.

Applications Reported
This ICDCLS antibody has been reported for use in immunohistochemical staining, and immunohistochemical staining of formalin-fixed paraffin embedded tissue sections.

Applications Tested
This ICDCLS antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded tissue using low pH antigen retrieval and can be used at less than or equal to 0.5 μg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References
Kaneko T, Shigemoto R, Nakanishi S, Mizuno N. Substance P receptor-immunoreactive neurons in the rat neostriatum are segregated into somatostatinergic and cholinergic aspiny neurons. Brain Res. 1993 Dec 24;631(2):297-303.

Related Products
00-4952 IHC/ICC Blocking Buffer - High Protein
00-4954 20X TBS Wash Buffer for IHC/ICC
00-4955 IHC Antigen Retrieval Solution – Low pH (10X)
13-4714 Mouse IgG1 K Isotype Control Biotin (P3.6.2.8.1)
18-4100 Avidin HRP
44-0404 StainTray™

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8801-4965 DAB Advanced Chromogenic Kit