SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-Somatostatin 28/Biotin Conjugated antibody

Catalog Number: SL8877R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Somatostatin 28/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human Somatostatin 28
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit)
Background:	background: Somatostatin is a regulatory hormone that is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G protein-coupled somatostatin receptors. This cyclic tetradecapeptide inhibits the secretion of many important hormones, including somatotropin (also designated growth hormone, or GH), insulin and glucagon. Somatostatin is found in both the hypothalamus and pancreas. Somatostatin is thought to be involved in the regulation of insulin synthesis. The hormone somatostatin has active 14 amino acid and 28 amino acid forms that are produced by alternate cleavage of the single preproprotein encoded by this gene. In the cerebellum, Somatostatin-14 and Somatostatin-28 are highly expressed at birth and in the adult stage, respectively. Somatostatin affects rates of neurotransmission in the central nervous system and proliferation of both normal and tumorigenic cells. The gene encoding

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	Somatostatin maps to human chromosome 3q28. **Function:** The cyclic tetradecapeptide somatostatin is widely distributed throughout the body and is an important regulator of endocrine and nervous system function. It exerts its biologic actions by binding to specific high affinity receptors on the cell surface. Somatostatin inhibits the release of somatotropin. Somatostatin has also been shown in sympathetic nerves, mucosal cells, myenteric nerves of the gastrointestinal tract, salivary glands and in some parafollicular cells of the thyroid. Somatostatin positive cells may also be present in medullary thyroid carcinomas, C cell hyperplasia, thymic and lung tumors and pulmonary small cell carcinomas. **Subcellular Location:** Secreted. **Similarity:** Belongs to the somatostatin family. **Database links:** **Entrez Gene:** 396279 Chicken **Entrez Gene:** 280932 Cow **Entrez Gene:** 6750 Human **Entrez Gene:** 20604 Mouse **Entrez Gene:** 24797 Rat Omim: 182450 Human **SwissProt:** P33094 Chicken **SwissProt:** P26917 Cow **SwissProt:** P61278 Human **SwissProt:** P60041 Mouse **SwissProt:** P60042 Rat **Unigene:** 12409 Human **Unigene:** 34418 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.