



Anti-Somatostatin-28 polyclonal antibody (DPAB4045)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Somatostatin-28 Polyclonal Antibody
Specificity	This antibody recognizes mammalian somatostatin-28. Somatostatin-28 (6-28) was used as immunogen. The antibody is routinely tested by dot blot.
Immunogen	Somatostatin-28 (6-28)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	IS, IB, RIA
Format	Liquid antisera, no preservative
Size	100 µl
Preservative	None
Storage	Store the antibody at 4°C for one month or -20°C in undiluted aliquots for one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate

BACKGROUND

Introduction	Somatostatin was first characterized as the major physiological inhibitor of growth hormone
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release (somatotropin) from the pituitary but has subsequently been shown to inhibit the release of many other physiologically important compounds, including insulin, glucagon, gastrin and secretin. It is therefore a major factor in the control of metabolism. It also functions in the central nervous system as a neurotransmitter/neuromodulator in the control of motor activity and cognitive functions; it may be involved in epilepsy and in Alzheimer's disease. This gastrointestinal and hypothalamic peptide hormone is in two forms (14 and 28 residues) and is found in gastric mucosa, pancreatic islets, nerves of the gastrointestinal tract, posterior pituitary and in the central nervous system. Somatostatin analogues have antiproliferative effects and are now used in the treatment of several forms of cancer. Somatostatin binds to glycoprotein receptors of the seven transmembrane domain superfamily on target cells.

Keywords	Growth hormone release inhibiting factor; SMST; Somatostatin precursor; Somatostatin 28; Somatostatin; Somatostatin28; SST
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GENE INFORMATION

Entrez Gene ID	6750
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UniProt ID	P61278
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