BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Somatostatin-28

Somatostatin-28 is a 28-residue peptide that occurs naturally in mammals. It is a precursor of Somatostatin-14 which it contains at its N-terminus. Both are pharmacological inhibitors, even though they differ in certain specific effects. The shorter 14-mer Somatostatin is a cyclic oligopeptide with a short biological half-life, found in the gastrointestinal tract and the pancreas, as well as in the central and peripheral nervous systems. Analogs of Somatostatin have been developed for therapeutic application, such as Octreotide.

This antibody was generated by immunization of rabbits with Somatostatin-28 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4545 (Lot 019967)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100. Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Ser-Ala-Asn-Ser-Asn-Pro-Ala-Met-Ala-Pro-Arg-Glu-Arg-Lys-Ala-Gly-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys-OH (Disulfide bond) coupled to carrier protein.

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Cross-Reactivity:

PEPTIDE	%
Somatostatin-28	100
Somatostatin-25	100
Somatostatin-28 (1-12)	<0.01
Somatostatin-14	0
Prosomatostatin-32 (porcine)	0
Substance P	0
Amylin (Human)	0
CCK Octapeptide (desulfated)	0
VIP (human, bovine, rat, porcine)	0
Insulin (human)	0

Applications:

Tested in ELISA against Somatostatin-28. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.
Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Related Products:

T-4546: Rabbit anti Somatostatin-28, purified IgG
T-4547: Rabbit anti Somatostatin-28, neat antiserum
S-1406: ELISA, high sensitivity for extracted samples, (Somatostatin-28)
S-1152: ELISA, high sensitivity for extracted samples, (Somatostatin-14)
T-4103: Rabbit anti Somatostatin-14, diluted antiserum
T-4102: Rabbit anti Somatostatin-14, purified IgG
T-4101: Rabbit anti Somatostatin-14, neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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