



BMA BIOMEDICALS



Peninsula Laboratories

T-4546

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

Lot number:	A18PO23020
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), 6mg/ml bovine serum albumin (BSA) as a stabilizer, and 0.05% (w/v) ProClin 150™ as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in immunohistochemistry (IHC). Other applications like ELISA, FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
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.

Cross-Reactivity:

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

Related Products: T-4545: diluted antiserum
T-4547: neat antiserum
S-1406: ELISA, high sensitivity for extracted samples

This product contains ProClin 150™ as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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