



BMA BIOMEDICALS



Peninsula Laboratories

T-4102

Rabbit anti Somatostatin-14

Somatostatin-14 is a naturally occurring 14-residue peptide. It is found in the gastrointestinal tract and the pancreas, as well as in the central and peripheral nervous systems. Somatostatin-14 is a cyclic oligopeptide, which in mammals is found as a shorter 14-mer and a longer 28-mer. Because of its short biological half-life (few minutes), analogues have been developed for therapeutic application, such as Octreotide.

This antibody was generated by immunization of rabbits with Somatostatin-14 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A19PO22037
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) against Somatostatin-14. 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-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-14	100
Somatostatin-28	100
Somatostatin-25	100
[Des-Ala1]-Somatostatin-14	100
[D-Trp8]-Somatostatin-14	0.05
Prosomatostatin (1-32) (porcine)	0.002
Somatostatin Analog, RC-160	0
H-D-Phe-Cys-Tyr-D-Trp-Orn-Thr-Pen-Thr-NH ₂	0
Substance P	0
NPY (porcine)	0
VIP (human, bovine, rat, porcine)	0
Insulin (human)	0
Glucagon (1-29) (human)	0
Amylin (human)	0

Related Products: T-4101: diluted antiserum
 T-4103: neat antiserum
 S-1179: ELISA, high sensitivity for extracted samples
 S-1152: ELISA, extraction-free for human samples
 S-1164: ELISA, extraction-free for rat 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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rabbit IgG

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