



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Pancreastatin (1-49) Chromogranin A (240-288)

Pancreastatin is a 49 amino acid peptide found in many cells of the neuroendocrine system. It is produced from the proteolytic cleavage of its precursor, Chromogranin A [Chromogranin A (240-288)]. It is localized to insulin-containing beta cells, glucagon-containing alpha cells, and somatostatin-containing D cells of the pancreatic islet. Pancreastatin inhibits release of somatostatin upon glucose stimulation and it may also control carbohydrate metabolism and hyperglycemia.

This antibody was generated by immunization of rabbits with Pancreastatin (1-49) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4479 (Lot A06455)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Porcine
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% NaN ₃ , 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-Gly-Trp-Pro-Gln-Ala-Pro-Ala-Met-Asp-Gly-Ala-Gly-Lys-Thr-Gly-Ala-Glu-Glu-Ala-Gln-Pro-Pro-Glu-Gly-Lys-Gly-Ala-Arg-Glu-His-Ser-Arg-Gln-Glu-Glu-Glu-Glu-Glu-Thr-Ala-Gly-Ala-Pro-Gln-Gly-Leu-Phe-Arg-Gly-NH ₂ coupled to carrier protein.
Protein database:	<u>porcine-P04404</u> , <u>human-P10645</u>

Cross-Reactivity:

PEPTIDE	%
Pancreastatin 1-49 (porcine)	100
Pancreastatin 33-49 (porcine)	100
Chromogranin A (250-301) amide (human)	100
Chromogranin A (286-301)-amide (human)	91.4
Chromogranin A (248-294)-amide (bovine)	1
[Arg ⁸]-Vasopressin	<0.01
Substance P	<0.01
Chromogranin A (264-314) amide (rat)	0
PHI-27 (porcine)	0
Peptide YY (porcine, rat)	0
Galanin (porcine)	0
Pancreatic Polypeptide (avian)	0
Gastrin I (human)	0
Met-Enkephalin	0
VIP (human, bovine, porcine, rat)	0

Applications:

Tested in ELISA against Pancreastatin (1-49). 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:

S-1221: ELISA, high sensitivity for extracted samples, (po)

T-4481: Rabbit anti Pancreastatin (1-49), neat antiserum, (po)

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