



BMA BIOMEDICALS



Peninsula Laboratories

T-4479

Rabbit anti Pancreastatin (1-49) /

Chromogranin A (240-288) (porcine) [UniProt: P04404]

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

Lot number:	A06455
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the 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. Store at 4°C. This should ensure antibody stability for approximately one month.
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 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 www.bma.ch for protocols and general information.
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.

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

Related Products: S-1221: ELISA, high sensitivity for extracted samples (po)
 T-4481: neat antiserum (po)

This product contains Thimerosal 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.

T-4479

diluted antiserum

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