



BMA BIOMEDICALS



Peninsula Laboratories

T-4480

Rabbit anti Pancreastatin (porcine) [UniProt: P04404]

Pancreastatin is a 49-amino acid peptide found in many cells of the neuroendocrine system and it is produced from the proteolytic cleavage of its precursor, chromogranin A. 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 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	992012
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 buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal 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 ELISA against Pancreastatin. 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 (porcine)	100
Chromogranin A (250-301) amide (human)	100
Pancreastatin (33-49) (porcine)	100
Chromogranin A (286-301)-amide (human)	91
Chromogranin A (248-294)-amide (bovine)	1
Chromogranin A (264-314) (rat)	0
Galanin (porcine)	0
Gastrin-1 (human)	0
Met-Enkephalin	0
Peptide YY (porcine, rat)	0
PHI-27 (porcine)	0
Substance P	0.01
(Arg ⁸)-Vasopressin	0.01
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.

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rabbit IgG

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