



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4481

### 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.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<b>Stability:</b>	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.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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 <sub>2</sub> coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
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 <sup>8</sup> )-Vasopressin	0.01
VIP (human, bovine, porcine, rat)	0

Related Products:            T-4480: purified IgG  
                                     S-1221: ELISA, high sensitivity for extracted samples (po)

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This product contains no 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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neat antiserum (ms, rt)

03.6.2020