



BMA BIOMEDICALS



Peninsula Laboratories

T-4086

Rabbit anti Pancreatic Polypeptide (human) [Uniprot: P01298]

Pancreatic Polypeptide (PP) is a 36-amino acid anorexigenic peptide hormone secreted by the PP cells in the endocrine pancreas. The function of Pancreatic Polypeptide is to self-regulate pancreatic secretion activities such as endocrine and exocrine. It also has effects on hepatic glycogen levels and gastrointestinal secretions. Secretion of Pancreatic Polypeptide can be accomplished through electrical stimulation of the vagus nerve. Pancreatic Polypeptide is related to Peptide YY and Neuropeptide Y (NPY).

This antibody was generated by immunization of rabbits with Pancreatic Polypeptide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17522
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of 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° - 8°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 Pancreatic Polypeptide. 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-Ala-Pro-Leu-Glu-Pro-Val-Tyr-Pro-Gly-Asp-Asn-Ala-Thr-Pro-Glu-Gln-Met-Ala-Gln-Tyr-Ala-Ala-Asp-Leu-Arg-Arg-Tyr-Ile-Asn-Met-Leu-Thr-Arg-Pro-Arg-Tyr-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Pancreatic Polypeptide (human)	100
Pancreatic Polypeptide (rat)	10
Pancreatic Polypeptide (avian)	0
Pancreatic Polypeptide (salmon)	0
Insulin (human)	0
Glucagon (1-29) (human)	0
α -CGRP (human)	0
Somatostatin-14	0
Amylin (human)	0
Amylin (rat)	0
NPY (human, rat)	0
PYY (human)	0

Related Products: S-1373: ELISA, extraction-free for serum and plasma samples
T-4087: anti Pancreatic polypeptide, purified IgG (hu)
T-4489: anti Pancreatic polypeptide, neat antiserum (avian)
T-4088: anti Pancreatic polypeptide, neat antiserum (hu)
T-4488: anti Pancreatic polypeptide, neat antiserum (avian)

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-4086

diluted antiserum

19.10.2020