



BMA BIOMEDICALS



Peninsula Laboratories

T-4144

Rabbit anti Amylin (mouse, rat) [UniProt: P12968, P12969]

Amylin (also known as islet amyloid polypeptide (IAPP) is a 37-amino acid peptide hormone with a disulfide bridge between cysteine residue 2 and 7. Both the amidated C-terminus and the disulfide bridge are necessary for the full biological activity of Amylin. It is co-secreted with insulin from the pancreatic β -cells and plays an important role in the glycemic control, regulating it by slowing gastric emptying and promoting satiety. It is also involved in bone metabolism, along with the related peptides calcitonin and calcitonin gene related peptide.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	019968-4
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 Amylin. 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-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-Arg-Ser-Ser-Asn-Asn-Leu-Gly-Pro-Val-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Amylin (mouse, rat)	100
Amylin (feline)	100
Amylin (human)	10
Amylin (free acid) (human)	0
Insulin (human)	0
Proinsulin	0
Glucagon (1-29) (human, bovine, porcine)	0
Somatostatin-28	0
Pancreatic Polypeptide (human)	0
VIP (human, bovine, rat, porcine)	0
NPY (porcine)	0
α -CGRP (human)	<0.01
α -CGRP (rat)	<0.01
β -CGRP (human)	<0.01
β -CGRP (rat)	<0.01

Related Products: S-1413: ELISA, extraction-free for rat serum and plasma samples
S-1186: ELISA, ELISA, high sensitivity for extracted samples (ms, rt)
T-4146: anti Amylin (ms, rt), neat antiserum, host: rabbit
T-4145: anti Amylin (ms, rt), purified IgG, host: rabbit

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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diluted antiserum – ms, rt

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