BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Amylin

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

Catalog Number: T-4148 (Lot 033744-5)

Clonality: Polyclonal

Host species: Rabbit

Reactivity: Human

Quantity: 1.0 ml

Format: Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100.

Reconstitute by adding 1.0 ml of distilled water.

Stability and Storage: Original vial: 1 year at 4° - 8°C from date of purchase.
Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

Immunogen: Synthetic peptide -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-NH2, (Disulfide bond) coupled to carrier protein.

Protein database: human-P10997

Cross-Reactivity:

PEPTIDE	%
Amylin (human)	100
Amylin (free acid) (human)	100
Amylin (rat)	100
Amylin (feline)	100

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Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch

Cross-Reactivity:

PEPTIDE	%
α-CGRP (rat)	75
α-CGRP (human)	1
Calcitonin (human)	0
NPY (porcine)	0
Pancreastatin (1-49) (porcine)	0
VIP (human, rat, bovine, porcine)	0
Insulin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Somatostatin-14	0
Pancreatic Polypeptide (human)	0
Proinsulin (human)	0

Applications:

Tested 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 **bma.ch** for protocols and general information.

Related Products:

S-1187: ELISA, high sensitivity for extracted samples, (hu)
S-1420: ELISA, extraction-free for human serum and plasma samples
T-4146: Rabbit anti Amylin, neat antiserum, (hu)
T-4149: Rabbit anti Amylin, purified IgG, (hu)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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