BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Amylin (1-13)

Amylin (also known as islet amyloid polypeptide (IAPP) is a 37 amino acid peptide hormone with a disulfide bridge between Cys^2 and Cys^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 (1-13) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4153 (Lot A15022)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml 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 H-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala -NH_2, (disulfide bond) coupled to carrier protein.
Protein database:	human-P10997

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Cross-Reactivity:

PEPTIDE	%
Amylin (1-13) (human)	100
Amylin (free acid) (human)	1.6
Amylin (rat)	1.5
Amylin (human)	0.2
Amylin (cat)	0.8
α-CGRP (human)	0
Insulin (human)	0

Applications:

Tested in ELISA against Amylin (1-13) and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:
Paraffin sections: (1:1000); pretreatment with Proteinase K for antigen retrieval is recommended

Optimal dilutions should be determined by the end user
Please see **www.bma.ch** for protocols and general information

Related Products:

T-4150: Rabbit anti Amylin, neat antiserum (hu)
T-4148: Rabbit anti Amylin, diluted antiserum (hu)
S-1187: ELISA high sensitivity for extracted samples
S-1420: ELISA extraction-free for human samples
S-1413: ELISA extraction-free for rat samples
T-4152: Rabbit anti Amylin (1-13), diluted antiserum (hu)
T-4154: Rabbit anti Amylin (1-13), neat antiserum (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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