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 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 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 peptides.

This antibody was generated by immunization of rabbits with Amylin (1-13) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4154 (Lot 960690-1)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Mouse, Rat
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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-NH2, (disulfide bond) coupled to carrier protein.
Protein database:	human-P10997

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

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Cross-Reactivity:

PEPTIDE:	%:
α-CGRP (human)	0
Insulin (human)	0

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Amylin (1-13). Other applications like 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.

Approximate working dilution for IHC:
Frozen sections: not tested yet.
Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

S-1187: ELISA, high sensitivity for extracted samples (hu)
S-1420: ELISA, extraction-free for human serum and plasma samples
T-4152: anti Amylin (1-13) (hu), diluted antiserum, host: rabbit
T-4153: anti Amylin (1-13) (hu), purified IgG, host: rabbit

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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