



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Proislet Amyloid Precursor Polypeptide (PrePro-IAPP)

PrePro-IAPP is an 89-amino acid coding sequence that generates Pro-IAPP, consisting of 67 amino acids, produced in pancreatic beta cells (β -cells) as a pro-peptide. After post-translational modifications, including protease cleavage, Pro-IAPP produces Amylin, which is co-secreted with insulin by pancreatic β -cells and plays a role in glycemic regulation by slowing gastric emptying and promoting satiety, thus preventing postprandial spikes in blood glucose levels. Pro-IAPP has been linked to type 2 diabetes and islet β -cell loss.

This antibody was generated by immunization of rabbits with PrePro-IAPP coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

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|-------------------------------|---|
| Catalog Number: | T-3564 (Lot 01PO24055) |
| Clonality: | Polyclonal |
| Host species: | Rabbit |
| Reactivity: | Porcine |
| Quantity: | 50 μ l |
| Format: | Neat undiluted antiserum, lyophilized. Reconstitute by adding 50 μ l of distilled water. Avoid vortexing. This will give the equivalent of undiluted antiserum. |
| Stability and Storage: | Shelf life: one from despatch. Lyophilized vials: one year at 4°- 8°C. Stock solution: one year at -20°C. Avoid freeze-thaw cycles. |
| Immunogen: | Synthetic peptide H-Ser-Val-Ala-Leu-Asn-His-Leu-Glu-Ala-Thr-Ser-Ile-Glu-Lys-Gln-Glu-Trp-Leu-Val-Pro-Val-Leu-Pro-Arg-Asn-NH ₂ coupled to a carrier protein. |
| Protein database: | <u>porcine-A0A287ASB7</u> , <u>porcine-A0A8D0XB14</u> , <u>porcine-A0A4X1VGM3</u> |
| Cross-Reactivity: | |
| PEPTIDE: | %: |
| PrePro-IAPP | 100 |

Applications:

Tested in immunohistochemistry (IHC) and in ELISA. Other applications like IF, 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:

Paraffin sections: 1:1000; Proteinase K pretreatment for antigen retrieval is recommended.

Frozen sections: not tested yet.

Related Products:

S-1556: ELISA, high sensitivity for extracted samples (po)

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

T-3564

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