For Research Use Only

Amylin Polyclonal antibody

Catalog Number:22305-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
22305-1-AP

Size:
300 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000415

GeneID (NCBI):
3375

UNIPROT ID:
P10997

Full Name:
islet amyloid polypeptide

Calculated MW:
10 kDa

Purification Method:
Antigen Affinity purified

Recommended Dilutions:
IHC 1:20-1:200

Applications

Tested Applications:
IHC,ELISA

Species Specificity:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human pancreas tissue, mouse pancreas tissue, rat pancreas tissue

Background Information

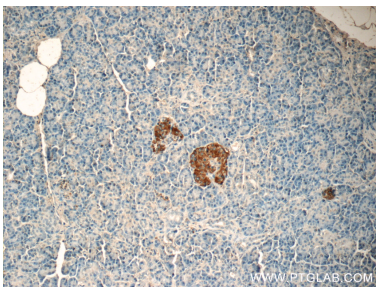
IAPP, also known as Amylin, is commonly found in pancreatic islets of patients suffering diabetes mellitus type II, or harboring a tumor of the pancreas that is derived from beta cells and secretes INS. IAPP is co-secreted with INS by pancreatic β-cells and largely contributes to glycemic control. Studies suggest that this protein, like the related beta-amyloid (Abeta) associated with Alzheimer's disease, can induce apoptotic cell-death in particular cultured cells, an effect that may be relevant to the development of type II diabetes.

Storage

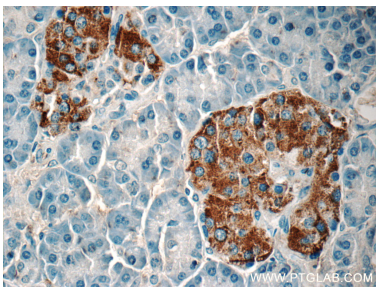
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 22305-1-AP (Amylin Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 22305-1-AP (Amylin Antibody) at dilution of 1:50 (under 40x lens).