

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Pancreatic Polypeptide/PP in direct ELISAs. In direct ELISAs, less than 15% cross-reactivity with recombinant mouse PPY is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Pancreatic Polypeptide/PP Ala30-Leu95 Accession # P01298
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

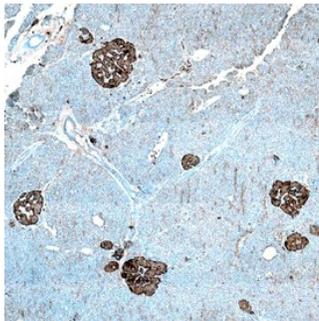
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	Recommended Concentration	Sample
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



Pancreatic Polypeptide/PP in Human Pancreas. Pancreatic Polypeptide/PP was detected in immersion fixed paraffin-embedded sections of human pancreas using Human Pancreatic Polypeptide/PP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6297) at 10 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to the plasma membrane of islet cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Pancreatic polypeptide (PP) is an ~4 kDa, unglycosylated member of the Neuropeptide-Y family of secreted peptide hormones. Human PP is synthesized with a 29 amino acid (aa) signal sequence and a 66 aa prohormone that contains the 36 aa PP hormone, a 20 aa icosapeptide of unknown function, and a C-terminal prosequence. PP is produced by pancreatic islet F-cells and released to the circulation following a meal. It slows stomach emptying time and insulin secretion and is thought to inhibit further food intake. The human PP prohormone shares 57% and 55% aa identity with mouse and rat PP, respectively.