

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human Pancreatic Polypeptide/PP in direct ELISAs. In direct ELISAs, less than 15% cross-reactivity with recombinant mouse PPY is observed.                                                                                                                          |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human Pancreatic Polypeptide/PP<br>Ala30-Leu95<br>Accession # P01298                                                                                                                                                                    |
| <b>Conjugate</b>          | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### 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.

**Immunohistochemistry** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### 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.

#### PRODUCT SPECIFIC NOTICES

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