

## Product datasheet for **TA303038**

### Pancreatic Polypeptide (PPY) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	ELISA: 1:32,000. WB: 3µg/ml.
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-TRPRYGKRHKEDT, from the internal region of the protein sequence according to NP_002713.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	pancreatic polypeptide
Database Link:	<a href="#">NP_002713</a> <a href="#">Entrez Gene 19064 Mouse</a> <a href="#">Entrez Gene 24677 Rat</a> <a href="#">Entrez Gene 490944 Dog</a> <a href="#">Entrez Gene 5539 Human</a> <a href="#">P01298</a>



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**Background:**

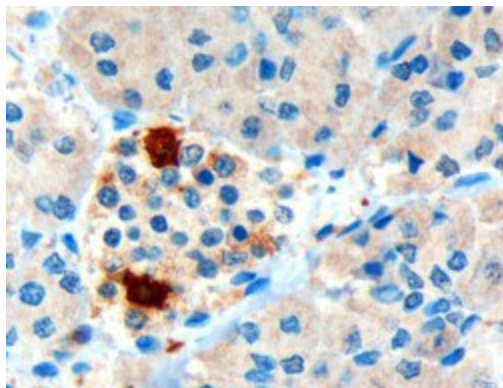
This gene belongs to the NPY family and it encodes a protein that is synthesized as a 95 aa polypeptide precursor in the pancreatic islets of Langerhans. It is cleaved into two peptide products; the active hormone of 36 aa and an icosapeptide of unknown function. The hormone acts as a regulator of pancreatic and gastrointestinal functions and may be important in the regulation of food intake. Plasma level of this hormone has been shown to be reduced in conditions associated with increased food intake and elevated in anorexia nervosa. In addition, infusion of this hormone in obese rodents has shown to decrease weight gain.

**Synonyms:**

PNP

**Protein Families:**

Secreted Protein

**Product images:**

TA303038 (3ug/ml) staining of paraffin embedded human pancreas. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.