Pancreatic polypeptide/PPY Polyclonal Antibody

catalog number: AN000330P

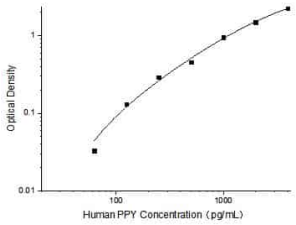
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Pancreatic polypeptide/PPY protein expressed by E.coli
Host	Rat
Isotype	Rat IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL
ELISA Detector	0.1-0.4 μg/mL

Data



Sandwich ELISA-Recombinant Human Pancreatic polypeptide/PPY protein standard curve.Background subtracted standard curve using Pancreatic polypeptide/PPY antibody(AN000330P)(Capture),Pancreatic polypeptide/PPY antibody(AN000330P)(Detector) in sandwich ELISA.The reference range value for Recombinant Human Pancreatic polypeptide/PPY protein is 62.5-4000 pg/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Pancreatic polypeptide (PP),36-amino acid peptide,may function as an important feedback inhibitor of pancreatic secretion after a meal. It arises from both islet and acinar cells of the pancreas. Release of PP by a meal,primarily protein, occurs in a biphasic manner. PP is a negative regulator of energy homeostasis that suppresses food intake and lowers body weight. Similar to other gastrointestinal-derived peptides,PP also modulates gastrointestinal motility and may be involved in the regulation of anxiety. PP,a robust anorexigenic hormone,effectively modulates food intake and energy homeostasis,thus potentially aiding anti-obesity therapeutics. PP is produced in pancreatic islets of Langerhans and released into the circulation after ingestion of a meal. Peripherally administered PP suppresses food intake and gastric emptying. On the other hand,central administration of PP elicits food intake and gastric emptying.

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