

EUD5201

Polyclonal Antibody to Peptide YY / PYY - Serum

Alternate names:

PYY-I, PYY-II, Peptide YY(3-36), Peptide tyrosine tyrosine

Quantity:

50 µl

Background:

The intestinal peptide YY is related to the PP-family of peptides and occurs in the glicentin cells in the gut. They are numerous in the rectum, colon, and ileum and few in the duodenum and jejunum. PYY has hormone-like action, inhibits gut motility and pancreatic exocrine secretion and cause vasoconstriction. PYY may occur in endocrine tumors of the pancreas and of the rectum.

Uniprot ID:

[P68005](#)

NCBI:

[9823](#)

Host:

Guinea Pig

Immunogen:

Synthetic Porcine peptide YY (Peninsula).

Format:

State: Lyophilized undiluted Serum

Reconstitution: Dissolve the antiserum in 50-100 µl distilled water, and dilute further in 0.1M PBS with 1% BSA and 0.09% Sodium Azide

Applications:

Immunofluorescence Microscopy: 1/1500-1/2500 using FITC with overnight incubation at 2-8°C.

Immunohistochemistry on Frozen and Paraffin Sections.

Recommended Positive Control: Frozen Sections of Rat intestine.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts with PYY (Peptide YY).

Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining.

Species: Human, Rat, Mouse and Cat.

Other species not tested.

Storage:

Prior to reconstitution store at 2-8°C.

Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Portela-Gomes G et al: Colocalization of synaptophysin with different neuroendocrine hormones in the human gastrointestinal tract. *Histochem Cell Biol* 109, 281-291 (1998)
2. Myrsén-Axcróna U, Ekblad E, Sundler F. Developmental expression of NPY, PYY and PP in the rat pancreas and their coexistence with islet hormones. *Regul Pept.* 1997 Feb 26;68(3):165-75. PubMed PMID: 9100283.
3. Böttcher G, Ahrén B, Lundquist I, Sundler F. Peptide YY: intrapancreatic localization and effects on insulin and glucagon secretion in the mouse. *Pancreas.* 1989;4(3):282-8. PubMed PMID: 2660131.