

Anti Peptide YY (PYY) (Porcine, Rat) Serum

Cat. No. Y070 Lot No. 075171030

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic PYY (porcine, rat) peptide. The product vial contains 50 μ L of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immuno-reaction with PYY.

Immunogen: Synthetic PYY (porcine, rat), carrier free

Host: Rabbit

Amino Acid Sequence of PYY (porcine, rat)¹⁾:

YPAKPEAPGE DASPEELSR YASLRHYLNL VTRQRY-NH₂

Product Form: Lyophilized unpurified serum

Size: 50 μ L

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN₃ 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

Suggested Working Dilution Range: 1:2,000 (final dilution ~1:14,000) for radioimmunoassay; 1: 1,000-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): PYY (porcine, rat) 100%, PYY (1-19) (human) 0%, PYY (13-36) (human) 0.5%, PYY (19-36) (porcine, rat) 0%, NPY (human) 0.7%, NPY (1-19) (human) 0%, NPY (20-36) (human) 0%, PP (human) 0%

Positive Control (immunohistochemistry): Rat colon²⁾

Species Tested: Rat

REFERENCES:

- 1) K. Tatemoto, Isolation and characterization of peptide YY (PYY), a candidate gut hormone that inhibits pancreatic exocrine secretion. Proceedings of National Academy of Sciences U.S.A. 79:2514-2517, 1982
- 2) G. Gomez, G. Greeley et al., Intestinal peptide YY: ontogeny of gene expression in rat bowel and trophic actions on rat and mouse bowel. American Journal of Physiology 268: G71-G81, 1995

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