

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

**Cat. No. Y070**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic PYY (porcine, rat) peptide. The product vial contains 50  $\mu$ 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 immunoreaction with PYY.

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

**Host:** Rabbit

**Amino Acid Sequence of PYY (porcine, rat)<sup>1)</sup>:**

YPAKPEAPGE DASPEELSRV YASLRHYLNL VTRQRY-NH<sub>2</sub>

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ 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. NaN<sub>3</sub> 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 colon<sup>2)</sup>

**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

**FOR RESEARCH LABORATORY USE ONLY**  
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan  
FAX: +81-544-22-2770 TEL: +81-544-22-2771

For more information, please visit our internet website: <http://www.yanaihara.co.jp> or contact us to [ask@yanaihara.co.jp](mailto:ask@yanaihara.co.jp)