

Anti Peptide YY (PYY)(Human) Serum

Cat. No. Y072

Lot No. 37140301

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic PYY (human) 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 immunoreaction with PYY.

Immunogen: Synthetic PYY (human), carrier free

Host: Rabbit

Amino Acid Sequence of PYY (human)¹⁾:

YPIKPEAPGE DASPEELNRY 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: 1:3,000-10,000 (final dilution ~1:70,000) for radioimmunoassay; 1: 1,000- 9,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): PYY (human) 100%, PYY (19-36)(human) <0.001%, PYY (1-19) (human) <0.001%, PYY (rat) 80%, PYY (13-36)(rat) <0.1%, PP (human) 0%, NPY (human) <0.001%

Positive Control (immunohistochemistry): Rat ileum

Species Tested: Rat

REFERENCES:

1) K. Tatemoto, I. Nakano, et al., Isolation and primary structure of human peptide YY. Biochemistry Biophysics Research Communications 157:713-718, 1988

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