



Anti NPY (1-19) (Human, Mouse, Rat) Serum
Cat. No. YII-Y061-EX Lot No. 028571207

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conjugate of synthetic NPY (1-19) (human, mouse, rat) peptide. The product vial contains 50 µL 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 the N-terminal portion of NPY (human, mouse, rat).

Immunogen: Synthetic NPY (1-19) (human, mouse, rat)-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of NPY (1-19) (human, mouse, rat)¹⁾:
YPSKPDNPGE DAPAEDMARY YSALRHYINL ITRQRY-NH₂

Product Form: Lyophilized unpurified serum **Size:** 50 µL

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: 1:1,000 (final dilution ~1:7,000) 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): NPY (1-19) (human, mouse, rat) 100%, NPY (human, mouse, rat) 10%, NPY (4-19) (human, mouse, rat) 100%, PYY (porcine) 0%, PP (human) 0%

Positive Control (immunohistochemistry): Rat pancreas

Species Tested: Rat²⁾

REFERENCES:

- 1) C.D. Minth, P.C. Andrews et al., Characterization, sequence, and expression of the cloned human neuropeptide Y gene. *Journal of Biological Chemistry* 15 261:11974-11979, 1986
- 2) M. Fujimura, N. Yanaihara et al., Immunohistochemical studies by using N-terminal (1-19) NPY antiserum. *Proceedings of 12th Gut Hormone Conference, Japan Society of Gut Hormones* (Ed) 10:452-458, 1991

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