

Anti NPY (1-19) (Human, Mouse, Rat) Serum

Cat. No. Y061 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 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 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⁾:

1 19
YPSKPDNPGE DAPAEDMARY YSALRHYINL ITRQRY-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: 1:1,000 (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) 100%, 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

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


Yanaihara Institute Inc.

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

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