



Anti PTH (1-34)-NH₂ (Rat) Serum

Cat. No. YII-Y420-EX Lot No. 244100513

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic PTH (1-34)-NH₂ (rat) peptide. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with PTH (rat).

Immunogen: Synthetic PTH (1-34)-NH₂ (rat), carrier free **Host:** Rabbit

Amino Acid Sequence of PTH (1-34)-NH₂ (Rat)¹⁾:

1 34

AVSEIQLMHN LGKHLASVER MQWLRKKLQD VHNF-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: 1:3,000 (final dilution ~1:21,000) 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 ELISA): PTH (1-34)-NH₂ (rat) 100%, PTH (1-34)-NH₂ (human) 1%, PTHrP (1-34)-NH₂ (human) 0%

Positive Control (immunohistochemistry): Rat parathyroid gland

Species Tested: Rat

REFERENCES:

1) G. Heinrich, H.M. Kronenberg et al., Gene encoding parathyroid hormone. Nucleotide sequence of the rat gene and deduced amino acid sequence of rat pre-proparathyroid hormone. Journal of Biological Chemistry 259:3320, 1984

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

