Anti PTH (1-34)-NH2 (Rat) Serum

Cat. No. Y420 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 μ L of the titled an- tiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immuno- assay, 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⁾:

34

AVSEIQLMHN LGKHLASVER MQWLRKKLQD VHNF-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 (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

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