# 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 an- tiserum obtained by lyophilizing its 0.001M phos- phate buffer (pH 7.0, 0.5mL) solution. It can be used for immuno- assay, immunohistochemistry or any other im- munoreaction 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 recon- stitution, 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

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