Anti PTHrP (15-34)-NH_2 Serum

Cat. No. Y202 Lot No. 092271024

Description: This antiserum was raised in a rabbit by immunization with a carrier free PTHrP (15-34)-NH_2 peptide. The product vial contains 50 μL of the titled antiserum, which was 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 PTHrP.

Immunogen: PTHrP (15-34)-NH_2 (human), carrier free **Host:** Rabbit

Amino Acid Sequence of PTHrP (15-34)-NH_2 (human)[1)]

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                    15                  34
AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTA-NH2
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The amino acid sequences of N-terminal (15-34) of PTHrPs in mammals are 100% conserved.

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. NaN_3 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; 1:200-1,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): PTHrP (15-34)-NH_2 100%, PTHrP (1-34)-NH_2 70%, PTHrP (1-19) 0%, PTHrP (7-34)-NH_2 25%

Positive Control (immunohistochemistry): Rat mammary gland (lactation period) or mammary tumor tissue

Species Tested: Rat

REFERENCES:

1) L.J. Suva, G.A. Winslow et al., A parathyroid hormone-related protein implicated in malignant hypercalcemia: cloning and expression. Science 237: 893-898, 1987

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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