BMA BIOMEDICALS

Peninsula Laboratories

# Rabbit anti (Asp$^{76}$)-Parathyroid Hormone (pTH) (39-84)

Parathyroid hormone (PTH) is a single polypeptide of 84 amino acids. It is a critical hormone in the regulation of Ca2+ homeostasis and secreted by the parathyroid glands, which promote release of calcium from bone to extracellular fluid by activating osteoblasts and inhibiting osteoclasts, indirectly promote increased intestinal absorption of calcium, and promote renal tubular reabsorption of calcium and increased renal excretion of phosphates. It is a major regulator of bone metabolism. Secretion of parathyroid hormone increases when the level of calcium in the extracellular fluid is low. (Asp$^{76}$)-pTH-(39-84) inhibited the response to intact PTH to a lesser extent, whereas (Asp$^{76}$)-pTH-(53-84) had no antagonistic activity.

This antibody was generated by immunization of rabbits with (Asp$^{76}$)-Parathyroid Hormone (pTH) (39-84) coupled to a carrier protein.

## TECHNICAL AND ANALYTICAL CHARACTERISTICS

| | |
|---|---|
| **Catalog Number:** | T-4605 (Lot 0700221) |
| **Clonality:** | Polyclonal |
| **Host species:** | Rabbit |
| **Reactivity:** | Human |
| **Quantity:** | 1.0 ml |
| **Format:** | Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100.<br>Reconstitute by adding 1.0 ml of distilled water. |
| **Stability and Storage:** | Original vial: 1 year at 4° - 8°C from date of purchase.<br>Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles. |
| **Immunogen:** | Synthetic peptide H-Ala-Pro-Leu-Ala-Pro-Arg-Asp-Ala-Gly-Ser-Gln-Arg-Pro-Arg-Lys-Lys-Glu-Asp-Asn-Val-Leu-Val-Glu-Ser-His-Glu-Lys-Ser-Leu-Gly-Glu-Ala-Asp-Lys-Ala-Asp-Val-Asp-Val-Leu-Thr-Lys-Ala-Lys-Ser-Gln-OH coupled to carrier protein. |

©2024 BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst, Switzerland
Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch

**Cross-Reactivity:**

| PEPTIDE | % |
|---|---|
| [Asp$^{76}$]-pTH (39-84) (human) | 100 |
| pTH (1-34) (human) | 0 |
| pTH (1-84) (human) | 0 |

**Applications:**

Tested in ELISA against (Asp$^{76}$)-pTH -(39-84). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.
Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

**Related Products:**

T-4606: Rabbit anti (Asp$^{76}$)-pTH (39-84), neat antiserum, (hu)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

©2024 BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst, Switzerland
Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch