



BMA BIOMEDICALS



Peninsula Laboratories

---

## T-4606

### Rabbit anti (Asp76)-Parathyroid Hormone (pTH) (39-84) (human)

Parathyroid hormone (PTH) is a single polypeptide of 84 amino acids. It is a critical hormone in the regulation of Ca<sup>2+</sup> 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. [Asp76] hPTH-(39-84) inhibited the response to intact PTH to a lesser extent, whereas [Asp<sup>76</sup>] hPTH-(53-84) had no antagonistic activity.

This antibody was generated by immunization of rabbits with (Asp<sup>76</sup>)-Parathyroid Hormone (pTH) (39-84) coupled to a carrier protein.

---

### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	n/a
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against (Asp <sup>76</sup> )-Parathyroid Hormone (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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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.

Related Products: T-4605: Rabbit anti (Asp76)-pTH (39-84) (hu), diluted antiserum

This product contains no preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4606

neat serum

1.3.2021