



BMA BIOMEDICALS



Peninsula Laboratories

T-4504
Rabbit anti pTH (Parathyroid Hormone) (1-38) (human)
[UniProt: P01270]

Parathyroid hormone (pTH) is secreted by the parathyroid glands as a polypeptide containing 84 amino acids. It acts to increase the concentration of calcium in the blood, whereas calcitonin acts to decrease calcium concentration. PTH acts to increase the concentration of calcium in the blood by acting upon parathyroid hormone receptor in three parts of the body as well as stimulates bone formation in both animals and humans. PTH 1-38 stimulates the expression of UBP41, an ubiquitin-specific protease, important to maintain bone homeostasis.

This antibody was generated by immunization of rabbits with pTH 1-38 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

| | |
|----------------------|---|
| Lot number: | 015774 |
| Host species: | Rabbit IgG |
| Quantity: | 400µg |
| Format: | Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. |
| Stability: | 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. |
| Applications: | This antibody has been tested and validated in ELISA against pTH 1-38. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information. |
| Immunogen: | Synthetic peptide H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-Val-Ala-Leu-Gly-OH coupled to a carrier protein. |

Cross-Reactivity:

| PEPTIDE: | %: |
|------------------------------------|-----------|
| pTH (1-38) (human) | 100 |
| pTH (1-34) (human) | 0 |
| pTH (1-84) (human) | 0.1 |
| pTH-Related Protein (1-34) (human) | 0 |

Related Products: T-4505: anti pTH (1-38) (hu) neat antiserum
T-4098: anti pTH (1-34) (hu) neat antiserum
T-4096: anti pTH (1-34) (hu) diluted serum
T-4097: anti pTH (1-34) (hu) purified IgG
S-1178: ELISA, high sensitivity for extracted samples (1-34) (hu)
S-1162: ELISA, extraction-free for samples (1-34) (hu)

This product contains Thimerosal as a 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-4504

rabbit IgG

1.3.2021