



BMA BIOMEDICALS



Peninsula Laboratories

T-4500

Rabbit anti Parathyroid Hormone (pTH) (1-34) (rat)

[UniProt: P04089]

Parathyroid Hormone (pTH) (1-34), is a peptide fragment of the naturally occurring human parathyroid hormone and is secreted from cells of the parathyroid glands and finds its major target cells in bone and kidney. It is an important regulator of calcium and phosphorus metabolism, playing a role in calcium homeostasis of bone, kidney, breast, and placenta. pTH (1-34) administration suppresses cardiovascular calcification and down-regulates aortic osteogenic programs driven by diabetes and dyslipidemia.

This antibody was generated by immunization of rabbits with pTH (1-34) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	032999
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 (1-34). 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-Ala-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Ala-Ser-Val-Glu-Arg-Met-Gln-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
pTH (1-34) (rat)	100
pTH (1-34) (bovine)	31
pTH (1-34) (human)	19
[Nle ^{8,21} , Tyr ³⁴]-PTH (1-34) amide (rat)	0.2
pTH (1-84) (human)	0
pTH-related protein (1-34) (human, rat)	0
Calcitonin (rat)	0

Related Products: T-4501: anti pTH (1-34) (rt) neat antiserum
T-4499: anti pTH (1-34) (rt) diluted serum
S-1415: ELISA, high sensitivity for extracted samples (1-34) (rt)
S-1459: ELISA, extraction-free for serum and plasma samples (1-34)

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.

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rabbit IgG – rt

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