



BMA BIOMEDICALS



Peninsula Laboratories

T-4740

Rabbit anti pTH (Parathyroid Hormone) (7-84) (human) [Uniprot: P01270]

Human Parathyroid Hormone (PTH) is a hormone expressed and secreted as prepro-PTH by chief cells of the parathyroid glands when extracellular calcium levels are low. PTH is coexpressed with furin, the enzyme believed to be responsible for processing pro-PTH to PTH. PTH is secreted as a C-terminal fragment (7-84) when extracellular calcium levels are high, offsetting the effects of pTH. It acts as an antagonist for PTH1R, as well as a possible carboxy-terminus interacting pTH receptor. PTH and truncated pTH fragments play a major role in bone metabolism and calcium homeostasis, as well as renal excretion.

This antibody was generated by immunization of rabbits with pTH (7-84) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	017021
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 (7-84). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-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-is-Asn-Phe-Val-Ala-Leu-Gly-Ala-Pro-Leu-Ala-Pro-Arg-Asp-Ala-Glu-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-Asn-Val-Leu-Thr-Lys-Ala-Lys-Ser-Gln-OH coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
pTH (7-84) (human)	100
pTH (1-84) (human)	100
pTH (1-84) (rat)	100
pTH (1-38) (human)	100
pTH (1-34) (human)	100
pTH (1-34) (rat)	0
pTH (39-84) (human)	0
pTH (39-68) (human)	0
pTH-Related Protein (1-34) (human, rat)	0
pTH-Related Protein (7-34) amide (human, rat)	0

Related Products: 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)

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

1.3.2021