



BMA BIOMEDICALS



Peninsula Laboratories

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

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

Catalog Number:	T-4097 (Lot A18PO23018)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), 6mg/ml bovine serum albumin (BSA) as a stabilizer, and 0.05% (w/v) ProClin™ 150 as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
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-OH (Disulfide bond) coupled to carrier protein.
Protein database:	<u>Human-P01270</u>
Cross-Reactivity:	
PEPTIDE	%
pTH (1-34) (human)	100
pTH (3-34) (bovine)	100
pTH (13-34) (bovine)	100

Cross-Reactivity:

PEPTIDE	%
pTH (1-34) (rat)	100
pTH (1-44) (human)	3
[Asp ⁷⁶]-pTH (1-84) (human)	18
pTH (1-84) (human)	1
pTH (53-84) (human)	0
pTH-related protein (1-34) (human, rat)	0
pTH-related protein (1-37) (human, rat)	0
Calcitonin (salmon I)	0
pTH-Related Protein (109-141) (human)	0
pTH Related Protein (107-138) (human)	0
pTH Related Protein (67-86) amide (human, rat)	0
pTH Related Protein (38-64) amide (human)	0

Applications:

Tested in ELISA against Parathyroid Hormone (1-34) and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended

Optimal dilutions should be determined by the end user

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

Related Products:

T-4098: Rabbit anti pTH (1-34), neat antiserum (hu)

T-4096: Rabbit anti pTH (1-34), diluted serum (hu)

S-1178: ELISA high sensitivity for extracted samples (1-34)

S-1163: ELISA extraction-free for serum and plasma samples(1-34)

This product contains ProClin™ 150 as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.