



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti pTH-Related Protein (1-34)

pTH-Related Protein (1-34), or Parathyroid Hormone-Related Protein, is initially translated as a 177 amino acid protein, which is then cleaved into pTH-Related Protein (1-34). It contains two helical domains spanning sequence, 13-18 and 20-34, and it is encoded by the pTHLH gene in human. An excessive production pTH-Related Protein can cause malignancy-associated hypercalcemia.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4511 (Lot 024689)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human, mouse, rat
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Reconstitute by adding 1.0 ml 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-Ala-Val-Ser-Glu-His-Gln-Leu-Leu-His-Asp-Lys-Gly-Lys-Ser-Ile-Gln-Asp-Leu-Arg-Arg-Arg-Phe-Phe-Leu-His-His-Leu-Ile-Ala-Glu-Ile-His-Thr-Ala-OH (Disulfide bond) coupled to carrier protein.
Protein database:	<u>human-P01270</u> , <u>mouse-Q9Z0L6</u>

Cross-Reactivity:

PEPTIDE	%
pTH Related Protein (1-34) (human, rat)	100
pTH Related Protein (1-37) (human, rat)	100
pTH Related Protein (Chicken)	100
pTH Related Protein (107-138) (human)	0
pTH Related Protein (109-141) (human)	0

Cross-Reactivity:

PEPTIDE	%
pTH Related Protein (7-34) amide (human, rat)	0
pTH Related Protein (38-64) amide (human)	0
pTH Related Protein (67-86) amide (human, rat)	0
pTH (1-34) (human)	0
[Asp ⁷⁶]-pTH (1-84) (human)	0
pTH (1-34) (rat)	0

Applications:

Tested in ELISA against pTH-Related Protein (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 **bma.ch** for protocols and general information.

Related Products:

S-1227: ELISA, high sensitivity for extracted samples (pTH-Related Protein 1-34)

T-4512: Rabbit anti pTH-Related Protein (34), purified IgG, (hu, ms, rt)

T-4513: Rabbit anti pTH-Related Protein (34), purified IgG,, (hu, ms, rt)

T-5045: Rabbit anti pTH-Related Protein (34), neat antiserum (hu, ms, rt)

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