



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 sequences, 13-18 and 20-34, and it is encoded by the pTHLH gene in human. Excessive production of pTH-related protein can cause malignancy-associated hypercalcemia

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4512 (Lot A22PO25067)
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), 6.0 mg/ml bovine serum albumin (BSA), 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-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 coupled to carrier protein.
Protein database:	human-P12272, rat-P13085

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

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
pTH (1-84) (human)	0
pTH (1-34) (rat)	0

Applications:

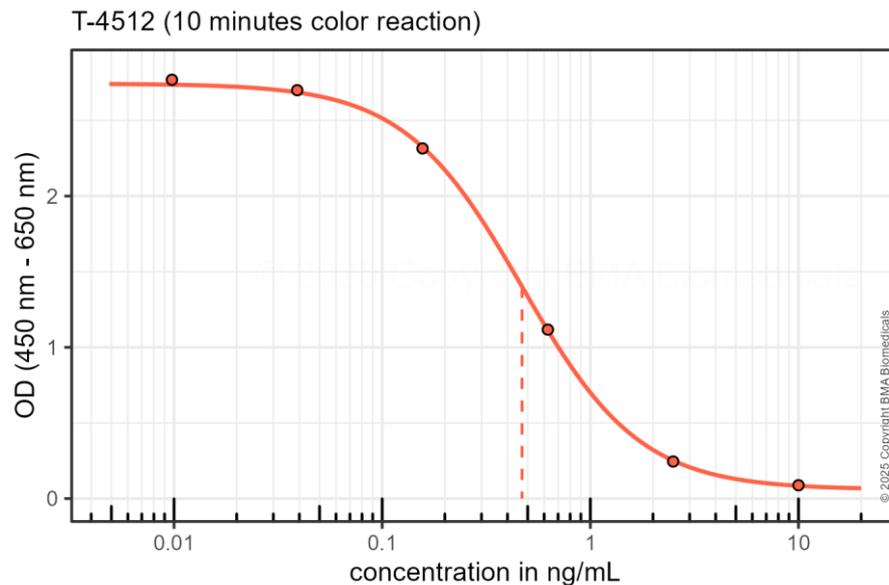
Tested in ELISA against pTH-related protein (1-34) and in immunohistochemistry (IHC). Other applications like Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:500); 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.

Typical titration curve of pTH-related protein (1-34) in a competitive ELISA with this antibody:



Related Products:

- T-4511: Rabbit anti pTH-related protein (1-34), diluted antiserum, (hu, ms, rt)
- S-1227: ELISA, high sensitivity for extracted samples (1-34)
- T-4513: Rabbit anti pTH-related protein (1-34), neat antiserum (hu, ms, rt)
- T-5045: Guinea pig anti pTH-related protein (1-34), neat antiserum (hu, ms, rt)

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