

Product datasheet for **TA364261**

Parathyroid Hormone (PTH) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	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.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
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 carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	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.
Gene Name:	parathyroid hormone
Database Link:	Entrez Gene 5741 Human P01270



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Background:

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.

Synonyms:

parathormone; Parathyrin; PTH1