

AM02142PU-S**Monoclonal Antibody to Parathyroid hormone / PTH (1-34) - Purified**

Alternate names:	Parathormone, Parathyrin
Quantity:	10 µg
Background:	Parathyroid hormone (PTH), or Parathormone, is secreted by the parathyroid glands as a polypeptide containing 84 amino acids. It acts to increase the concentration of calcium in the blood, whereas calcitonin (a hormone produced by the parafollicular cells of the thyroid gland) acts to decrease calcium concentration.
Uniprot ID:	P01270
NCBI:	NP_000306.1
GeneID:	5741
Host / Isotype:	Rat / IgG2b
Clone:	3B3
Immunogen:	Synthetic Human PTH (aa 1-34) BSA conjugated. Genename: PTH AA Sequence: SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF
Format:	State: Lyophilized purified Cell supernatant Purification: Protein G Chromatography Buffer System: PBS, pH 7.4 without preservatives Reconstitution: Restore in aqua bidest to 1 mg/ml.
Applications:	ELISA. Immunoprecipitation (Affinity Chromatography) (Ref.1). Immunohistochemistry on CryoSections and Paraffin-Sections: 1/25-50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Human oxidized PTH (aa 1-34), native PTH in tissue sections and in circulation. Cross reacts with native PTH (aa 1-84). Species: Human. Other species not tested.
Add. Information:	LocusID 5741
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Hocher B, Armbruster FP, Stoeva S, Reichetzeder C, Grön HJ, Lieker I, et al. Measuring parathyroid hormone (PTH) in patients with oxidative stress--do we need a fourth generation parathyroid hormone assay? PLoS One. 2012;7(7):e40242. doi: 10.1371/journal.pone.0040242. Epub 2012 Jul 6. PubMed PMID: 22792251.
2. Logue FC, Perry B, Biggart EM, Chapman RS, Beastall GH. Production and characterisation of monoclonal antibodies to parathyroid hormone (1-34). J Immunol Methods. 1991 Mar 21;137(2):159-66. PubMed PMID: 2013695.