

Mouse anti-Human Parathyroid Hormone (PTH) Monoclonal Antibody | anti-PTH antibody

Parathyroid Hormone (PTH) (N- & C-Terminal) Mouse Monoclonal Antibody

CATALOG # AAA62733	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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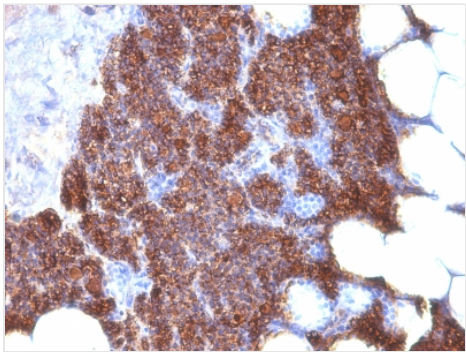
PRODUCT SYNONYMS

Parathyroid Hormone (PTH); Monoclonal Antibody; Parathyroid Hormone (PTH) (N- & C-Terminal) Mouse Monoclonal Antibody; hPTH; Parathormone; Parathyrin; Parathyroid hormone 1 (PTH1); Parathyroid hormone (PTH); anti-PTH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b/Kappa
Clone Number	3H9 + PTH/1175
Specificity	Epitope of this MAb maps in the C-terminus of PTH, a hormone produced by the parathyroid gland that regulates the concentration of calcium and phosphorus in extracellular fluid. This hormone elevates blood Ca ²⁺ levels by dissolving the salts in bone and preventing their renal excretion. It is produced in the parathyroid gland as an 84 amino acid single chain polypeptide. It can also be secreted as N-terminal truncated fragments or C-terminal fragments after intracellular degradation, as in case of hypercalcemia. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH); also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.
Form/Format	Purified Ab without BSA and Azide at 1.0 mg/mL .
Sequence Length	115
Applicable Applications for anti-PTH antibody	IHC (Immunohistochemistry)
Cellular Localization	Cytoplasmic and Secreted
Immunogen	A synthetic peptide around aa 1-34 of human mature- PTH polypeptide (exact sequence is proprietary) (3H9); A recombinant fragment around aa 32-115 of human mature PTH-polypeptide (exact sequence is proprietary).
Cellular Localization	Secreted
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Parathyroid stained with PTH Monoclonal Antibody (3H9 + PTH/1175).

ADDITIONAL INFORMATION

References	Watson, P.H. and Hanley, D.A. 1993. Parathyroid hormone: regulation of synthesis and secretion. Clin. Invest. Med. 16: 58-77
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506267
NCBI GeneID	5741
NCBI Accession #	NP_000306.1
NCBI GenBank Nucleotide #	NM_000315.3
UniProt Accession #	P01270; Q4VB48; Q9UD38
Molecular Weight	9kDa
NCBI Official Full Name	parathyroid hormone isoform 1 preproprotein
NCBI Official Synonym Full Names	parathyroid hormone
NCBI Official Symbol	PTH
NCBI Official Synonym Symbols	PTH1
NCBI Protein Information	parathyroid hormone
UniProt Protein Name	Parathyroid hormone
UniProt Gene Name	PTH
UniProt Synonym Gene Names	PTH
UniProt Entry Name	PTHY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/parathyroid-hormone-ptb-antibody-clone-3h9-ptb-1175-immunohistochemistry-elisa/62733>