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36-1600: Monoclonal Antibody to Parathyroid Hormone (PTH) (C-Terminal)(Clone : PTH/1175)

Clonality :	Monoclonal
Clone Name :	PTH/1175
Application :	IHC
Reactivity :	Human
Gene :	PTH
Gene ID :	5741
Uniprot ID :	P01270
Format :	Purified
Alternative Name :	PTH
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant fragment (84 amino acid residues from C-terminus) of human PTH protein

Description

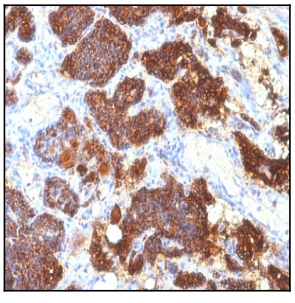
Epitope of this MAb maps in the C-terminus of PTH, a hormone produced by the parathyroid gland that regulates the concentration of calcium and phosphorus in extracellular fluid. This hormone elevates blood Ca2+ levels by dissolving the salts in bone and preventing their renal excretion.?It is produced 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.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

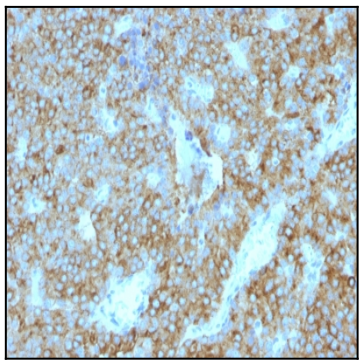
Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Parathyroid stained with PTH Monoclonal Antibody (PTH/1175).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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