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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:

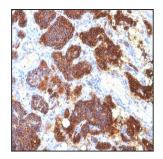
Storage condition:

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);

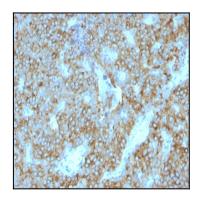


Formalin-fixed, paraffin-embedded human Parathyroid stained with PTH Monoclonal Antibody (PTH/1175).



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