

12-1036: Recombinant Rabbit Monoclonal Antibody to Parathyroid Hormone (PTH) (N-Terminal)(Clone : PTH/1717R)

Clonality :	Monoclonal
Clone Name :	PTH/1717R
Application :	IHC
Reactivity :	Human
Gene :	PTH
Gene ID :	5741
Uniprot ID :	P01270
Format :	Purified
Alternative Name :	hPTH, Parathormone, Parathyrin, Parathyroid hormone 1 (PTH1), Parathyroid hormone (PTH)
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant human PTH protein N-terminal fragment (exact sequence is proprietary)

Description

Epitope of this MAb maps in the N-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 :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/ml of Ab purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
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) (1-2 µg/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°C followed by cooling at RT for 20 minutes);

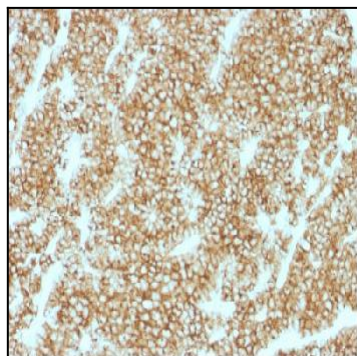


Figure 1: Formalin-fixed, paraffin-embedded human Parathyroid stained with PTH Rabbit Recombinant Monoclonal Antibody (PTH/1717R).

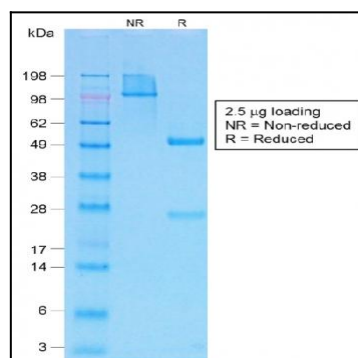


Figure 2: SDS-PAGE Analysis of Purified PTH Rabbit Recombinant Monoclonal Antibody (PTH/1717R).