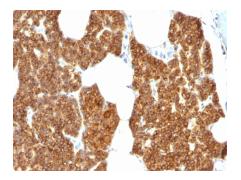


# Parathyroid Hormone (PTH) (N-Terminal) Antibody

Catalog No	Format		Size
5741-RBP8-P0	Purified Ab with BSA and Azide at 200ug/ml		20 ug
5741-RBP8-P1	Purified Ab with BSA and Azide at 200ug/ml		100 ug
5741-RBP8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml		100 ug
Applications	Tested Dillution	Note	
Immunohistochemistry (IHC)	1-2ug/ml 30 min 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		
Product Details			
Product Details Gene Name	РТН		
		round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is
Gene Name	A recombinant fragment a	round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is
Gene Name Immunogen	A recombinant fragment a proprietary)	round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is
Gene Name Immunogen Host	A recombinant fragment a proprietary) Rabbit	round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is
Gene Name Immunogen Host Clonality	A recombinant fragment a proprietary) Rabbit Polyclonal	round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is
Gene Name Immunogen Host Clonality Isotype / Light Chain	A recombinant fragment a proprietary) Rabbit Polyclonal IgG / Kappa	round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is
Gene Name Immunogen Host Clonality Isotype / Light Chain Mol. Weight of Antigen	A recombinant fragment a proprietary) Rabbit Polyclonal IgG / Kappa 9kDa	round aa 1-115 of human	mature-PTH-polypeptide (exact sequence is

\*Optimal dilution for a specific application should be determined.

## Product Images for Parathyroid Hormone (PTH) (N-Terminal) Antibody



Formalin-fixed, paraffin-embedded human Parathyroid Gland stained with PTH Rabbit Polyclonal Antibody.

## **Specificity & Comments**

Epitope of this PAb 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.

#### **Supplied As**

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 and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### **Research Areas**

Cardiovascular, Mesenchymal Stem Cell Differentiation, Signal Transduction

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## **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

