

# Product Datasheet

## PTH Antibody (3H9 + PTH/1175) [Alexa Fluor™ Plus 680] - C-terminus, N-terminal NBP2-47731AFP680

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47731AFP680**

PTH Antibody (3H9 + PTH/1175) [Alexa Fluor™ Plus 680] - C-terminus, N-terminal

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3H9 + PTH/1175
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa/IgG2b Kappa
<b>Conjugate</b>	Alexa Fluor Plus 680
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	5741
<b>Gene Symbol</b>	PTH
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted to react with Mouse. Rat. Rabbit. Bovine. Canine. Porcine. Deer. Orangutan.
<b>Specificity/Sensitivity</b>	Epitope of this monoclonal antibody 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 <sup>2+</sup> 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.
<b>Immunogen</b>	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) (Uniprot: P01270)

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<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-47731AFP680**

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NBP2-35215-100ug	Recombinant Human PTH Protein
M6000B-1	IL-6 [HRP]
7665-PT-050	PTH
291-G1-200	IGF-I/IGF-1 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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