

# Product Datasheet

## PTH Antibody (PTH/2295R) [Janelia Fluor® 549] - N-terminal NBP2-79894JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-79894JF549**

PTH Antibody (PTH/2295R) [Janelia Fluor® 549] - N-terminal

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	PTH/2295R
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Janelia Fluor 549
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
Gene ID	5741
Gene Symbol	PTH
Species	Human
Specificity/Sensitivity	Epitope of this monoclonal antibody maps in between aa 1-34. PTH is 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.
Immunogen	A recombinant fragment around aa 32-115 of human mature-PTH-polypeptide (exact sequence is proprietary) (Uniprot: P01270)
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-79894JF549**

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NBP2-24891JF549	Rabbit IgG Isotype Control [Janelia Fluor 549]
NBP2-35212-100ug	Recombinant Human PTH Protein
D6050	IL-6 [HRP]
NBP2-35215-100ug	Recombinant Human PTH Protein

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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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