

PTH Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP13695c

Specification

PTH Antibody (Center) - Product Information

Application WB,E
Primary Accession P01270

Other Accession O9XT35, NP 000306.1

Reactivity
Predicted
Monkey
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region
Human
Monkey
Rabbit
Polyclonal
Rabbit IgG
12861
59-88

PTH Antibody (Center) - Additional Information

Gene ID 5741

Other Names

Parathyroid hormone, PTH, Parathormone, Parathyrin, PTH

Target/Specificity

This PTH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-88 amino acids from the Central region of human PTH.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PTH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PTH Antibody (Center) - Protein Information

Name PTH {ECO:0000303|PubMed:35932760, ECO:0000312|HGNC:HGNC:9606}



Function Parathyroid hormone elevates calcium level by dissolving the salts in bone and preventing their renal excretion (PubMed:<u>11604398</u>, PubMed:<u>35932760</u>). Acts by binding to its receptor, PTH1R, activating G protein-coupled receptor signaling (PubMed:<u>18375760</u>, PubMed:<u>35932760</u>). Stimulates [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblastic cells (PubMed:<u>21076856</u>).

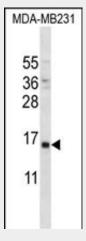
Cellular Location Secreted

PTH Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

PTH Antibody (Center) - Images



PTH Antibody (Center) (Cat. #AP13695c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the PTH antibody detected the PTH protein (arrow).

PTH Antibody (Center) - Background

The protein encoded by this gene is a hormone secreted by parathyroid cells. This hormone elevates blood Ca2+ level by dissolving the salts in bone and preventing their renal excretion. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH).

PTH Antibody (Center) - References

Giroux, S., et al. Bone 47(5):975-981(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Xu, M., et al. Bone 47(2):341-352(2010)





Gardham, C., et al. Clin J Am Soc Nephrol 5(7):1261-1267(2010) Tawfeek, H., et al. PLoS ONE 5(8), E12290(2010):