

PTH Polyclonal Antibody

Catalog No: YT3897

Reactivity: Human;Rat

Applications: WB;IHC

Target: Parathyroid Hormone

Fields: >>Neuroactive ligand-receptor interaction;>>Parathyroid hormone synthesis,

secretion and action;>>Endocrine and other factor-regulated calcium

reabsorption;>>Rheumatoid arthritis

Gene Name: PTH

Protein Name: Parathyroid hormone

P01270

Human Gene Id: 5741

Human Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

Parathyroid Hormone. AA range:51-100

Specificity: PTH Polyclonal Antibody detects endogenous levels of PTH protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000;IHC 1:50-300

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

1/3



Observed Band:

16kD

Background:

This gene encodes a member of the parathyroid family of proteins. The encoded preproprotein is proteolytically processed to generate a protein that binds to the parathyroid hormone/parathyroid hormone-related peptide receptor and regulates blood calcium and phosphate levels. Excess production of the encoded protein, known as hyperparathyroidism, can result in hypercalcemia and kidney stones. On the other hand, defective processing of the encoded protein may lead to hypoparathyroidism, which can result in hypocalcemia and numbness. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015],

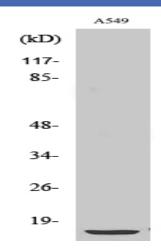
Function:

disease:Defects in PTH are a cause of familial isolated hypoparathyroidism (FIH) [MIM:146200]. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.,function:PTH elevates calcium level by dissolving the salts in bone and preventing their renal excretion.,online information:Parathyroid hormone entry,similarity:Belongs to the parathyroid hormone family.,

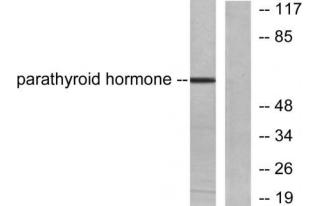
Subcellular Location:

Secreted.

Products Images



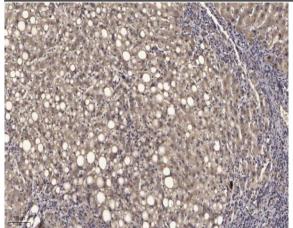
Western Blot analysis of various cells using PTH Polyclonal Antibody



(kD)

Western blot analysis of lysates from A549 cells, using Parathyroid Hormone Antibody. The lane on the right is blocked with the synthesized peptide.





Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).