

## PTH Polyclonal Antibody

<b>Catalog No :</b>	YT3897
<b>Reactivity :</b>	Human;Rat
<b>Applications :</b>	WB;IHC
<b>Target :</b>	Parathyroid Hormone
<b>Fields :</b>	>>Neuroactive ligand-receptor interaction;>>Parathyroid hormone synthesis, secretion and action;>>Endocrine and other factor-regulated calcium reabsorption;>>Rheumatoid arthritis
<b>Gene Name :</b>	PTH
<b>Protein Name :</b>	Parathyroid hormone
<b>Human Gene Id :</b>	5741
<b>Human Swiss Prot No :</b>	P01270
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Parathyroid Hormone. AA range:51-100
<b>Specificity :</b>	PTH Polyclonal Antibody detects endogenous levels of PTH protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**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],

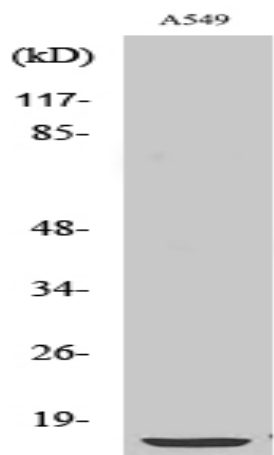
**Function :**

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.,

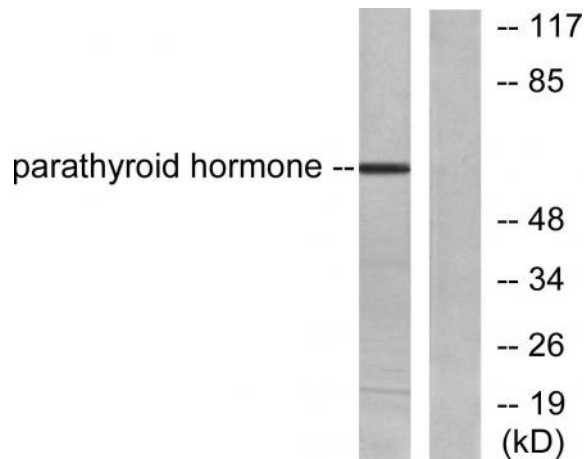
**Subcellular Location :**

Secreted.

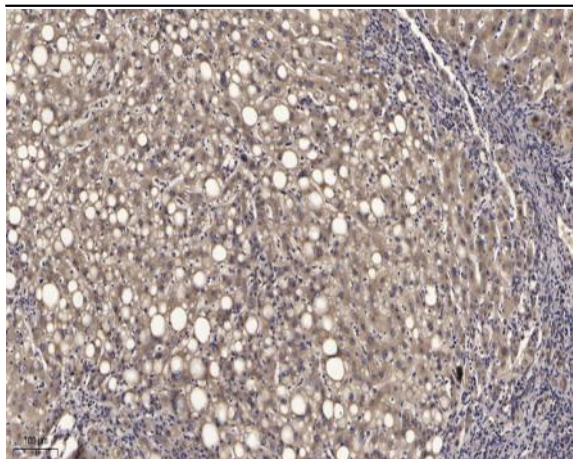
### Products Images



Western Blot analysis of various cells using PTH Polyclonal Antibody



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).