

PTH/PTHrP-R (L187) polyclonal antibody

Catalog: BCP01389

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Parathyroid hormone (PTH), which is also designated parathyrin, is an 84 amino acid single chain peptide that functions to regulate calcium metabolism by raising blood levels of calcium through various mechanisms. PTH stimulates bone formation to increase bone mass and strength in rats and humans. Within the PTH molecule, the essential activity is associated with the first 34 amino acids at the amino-terminus of the molecule. The gene encoding PTH maps to human chromosome 11p15.3-p15.1. Parathyroid hormone-related protein (PTH-rP) is an autocrine factor that is structurally related to PTH yet, unlike PTH, which is synthesized only by the parathyroid cells, PTH-rP is synthesized by several cell types. PTH-rP regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth. Isolated from the culture medium of a human lung cancer cell line, PTH-rP produces PTH-like effects that are characterized as humoral hypercalcemia of malignancy.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 52, 66kDa

Swiss-Prot:

Q03431

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

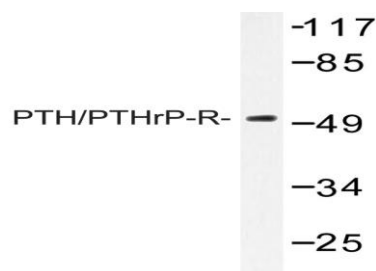
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

PTH/PTHrP-R (L187) polyclonal antibody detects endogenous levels of PTH/PTHrP-R protein.

DATA:

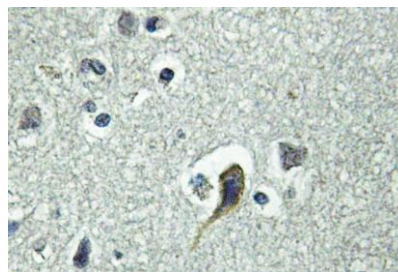


Western blot (WB) analysis of PTH/PTHrP-R (L187) polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:The Kidney tissue lysate of Rat(40ug)

Lane3:The Kidney tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of PTH /PTHrP-R (L187) pAb in paraffin-embedded human brain muscle tissue.

Note:

For research use only, not for use in diagnostic procedure.