

Basic Information

Product Name	Anti-PTH1R Antibody	
Gene Name	PTH1R	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC	
Contents	500 ug/ml antibody with PBS , 0.02% Na ₃ N , 1 mg BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Parathyroid Hormone Receptor 1(388-406aa KLRETNAGRCSTRQQYRKL), identical to the related mouse and rat sequences.	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	66KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunocytochemistry: 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Parathyroid hormone/parathyroid hormone-related peptide receptor, also known as PTH1R, PTHR, is a protein that in humans is encoded by the PTH1R gene. PTHR is a member of a family of G protein-coupled receptors. PTHR gene was mapped to the vicinity of the 3p21.3-p21.2 boundary by PCR analysis of human/rodent somatic cell hybrid panels using oligonucleotide primers designed to amplify a portion of the gene from genomic DNA. This is a receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. PTH1R functions as a receptor for parathyroid hormone and for parathyroid hormone-related protein.

Reference

Anti-PTH1R Antibody被引用在1文献中。

Selected Validation Data

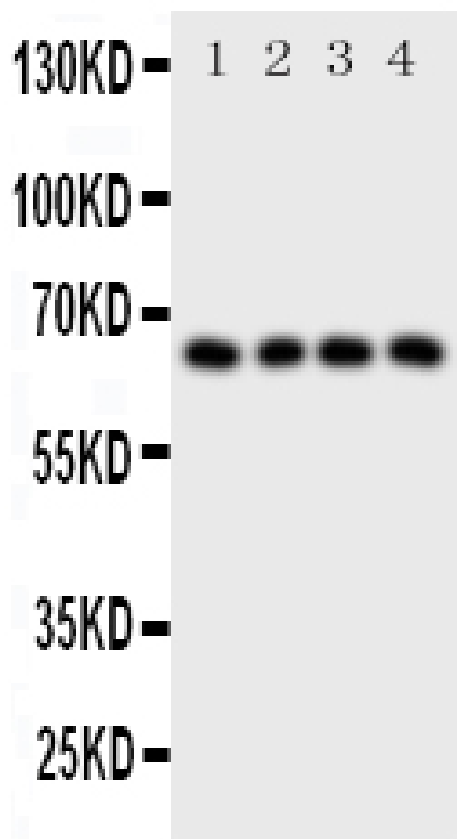


Figure 1. Western blot analysis of Anti-PTH1R antibody (BA3170). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: SKOV whole cell lysates, Lane 2: U2OS whole cell lysates, Lane 3: HELA whole cell lysates, Lane 4: SMMC whole cell lysates. Use rabbit Anti-PTH1R 1:1000, probed with a goat Anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for PTH1R at approximately 66KD. The expected band size for PTH1R is at 66KD.

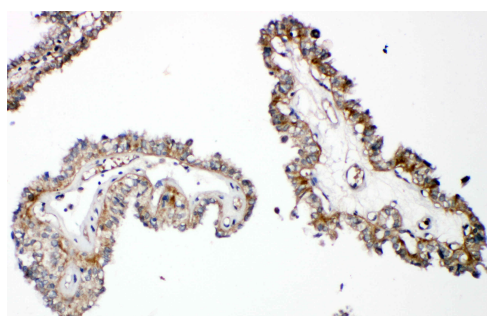


Figure 2. IHC analysis using Anti-PTH1R antibody (BA3170) detected in paraffin-embedded section of human thyroid cancer tissue. Biotinylated goat Anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.