

Anti-Parathyroid Hormone Receptor 1/PTH1R Antibody Picoband®

Catalog Number: PA2132

About PTH1R

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.

Overview

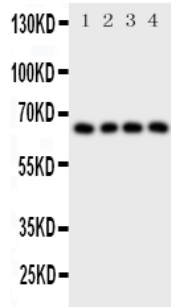
Product Name	Anti-Parathyroid Hormone Receptor 1/PTH1R Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Parathyroid Hormone Receptor 1/PTH1R Antibody catalog # PA2132. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q03431

Technical Details

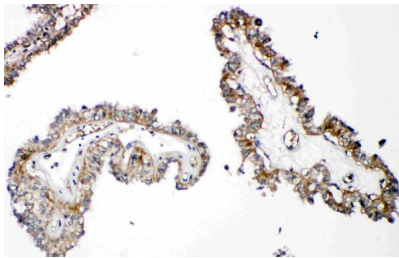
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Parathyroid Hormone Receptor 1, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunocytochemistry , 0.5-1ug/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

Anti-Parathyroid Hormone Receptor 1/PTH1R Antibody Picoband® (PA2132) Images



Anti-Parathyroid Hormone Receptor 1 antibody, PA2132,
Western blotting
All lanes: Anti Parathyroid Hormone Receptor 1 (PA2132) at
0.5ug/ml
Lane 1: SKOV Whole Cell Lysate at 40ug
Lane 2: U2OS Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Lane 4: SMMC Whole Cell Lysate at 40ug
Predicted bind size: 66KD
Observed bind size: 66KD



Anti-Parathyroid Hormone Receptor 1 antibody, PA2132,
IHC(P)
IHC(P): Human Thyroid Cancer Tissue

3 Publications Citing This Product

1. PubMed ID: 29039525, The association between parathyroid hormone 1-34 and the Wnt/ β -catenin signaling pathway in a rat model of osteoarthritis
2. PubMed ID: 26000041, TGF- β Induces Degradation of PTHrP Through Ubiquitin-Proteasome System in Hepatocellular Carcinoma
3. PubMed ID: 27069479, Effects of Intermittent Administration of Parathyroid Hormone (1-34) on Bone Differentiation in Stromal Precursor Antigen-1 Positive Human Periodontal Ligament Stem Cells

Visit bosterbio.com/anti-parathyroid-hormone-receptor-1-antibody-pa2132-boster.html to see all 3 publications.

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