

Anti-Parathyroid Hormone Receptor 1 Antibody
Catalog # ABO11440**Specification**

Anti-Parathyroid Hormone Receptor 1 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q03431
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Parathyroid hormone/parathyroid hormone-related peptide receptor(PTH1R) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Parathyroid Hormone Receptor 1 Antibody - Additional Information

Gene ID 5745

Other Names

Parathyroid hormone/parathyroid hormone-related peptide receptor, PTH/PTHrP type I receptor, PTH/PTHr receptor, Parathyroid hormone 1 receptor, PTH1 receptor, PTH1R, PTHR, PTHR1

Calculated MW

66361 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, Mouse,
Rat
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By
Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Cell membrane ; Multi-pass membrane protein .

Tissue Specificity

Expressed in most tissues. Most abundant in kidney, bone and liver.

Protein Name

Parathyroid hormone/parathyroid hormone-related peptide receptor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human Parathyroid Hormone Receptor 1(388-406aa KLRETNAGRCDTTRQYRKL), identical to the related mouse and rat

sequences.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Parathyroid Hormone Receptor 1 Antibody - Protein Information

Name PTH1R

Synonyms PTHR, PTHR1

Function

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.

Cellular Location

Cell membrane; Multi-pass membrane protein

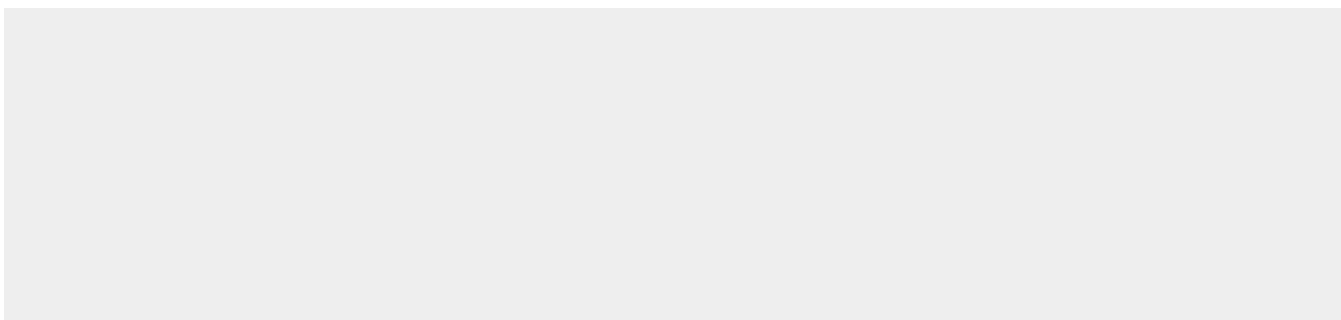
Tissue Location

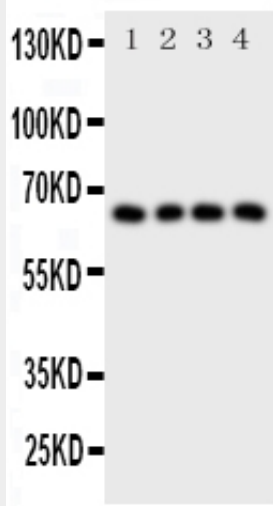
Expressed in most tissues. Most abundant in kidney, bone and liver.

Anti-Parathyroid Hormone Receptor 1 Antibody - Protocols

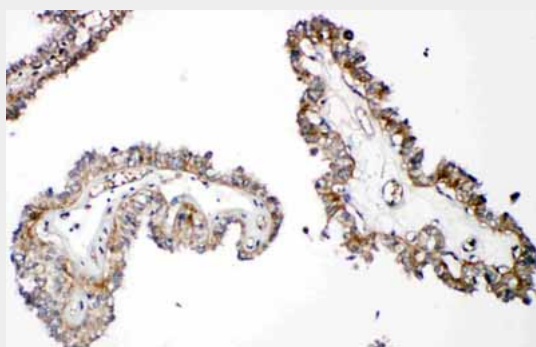
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Parathyroid Hormone Receptor 1 Antibody - Images



Anti-Parathyroid Hormone Receptor 1 antibody, ABO11440, Western blotting
All lanes: Anti Parathyroid Hormone Receptor 1 (ABO11440) 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, ABO11440, IHC(P)
IHC(P): Human Thyroid Cancer Tissue

Anti-Parathyroid Hormone Receptor 1 Antibody - Background

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.