**Product datasheet**

**Anti-Parathyroid Hormone Receptor 1/PTH1R antibody ab75150**

**Overview**

**Product name**
Anti-Parathyroid Hormone Receptor 1/PTH1R antibody

**Description**
Rabbit polyclonal to Parathyroid Hormone Receptor 1/PTH1R

**Host species**
Rabbit

**Tested applications**
Suitable for: WB, ELISA, IHC-P, ICC/IF

**Species reactivity**
Reacts with: Human, Lizard

Predicted to work with: Mouse, Rat

**Immunogen**
Synthetic peptide corresponding to Human Parathyroid Hormone Receptor 1/PTH1R (internal sequence).

**Positive control**
Human brain tissue. Extracts from Jurkat cells. MCF7 cells.

**General notes**
This product was previously labelled as Parathyroid Hormone Receptor 1

**Properties**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**
pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS

Without Mg2+ and Ca2+

**Purity**
Immunogen affinity purified

**Clonality**
Polyclonal

**Isotype**
IgG

**Applications**

Our Abpromise guarantee covers the use of ab75150 in the following tested applications.
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.

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

Involvement in disease
Jansen metaphyseal chondrodysplasia
Chondrodysplasia Blomstrand type
Enchondromatosis multiple
Eiken skeletal dysplasia
Primary failure of tooth eruption

Sequence similarities
Belongs to the G-protein coupled receptor 2 family.

Cellular localization
Cell membrane.

Target

Application | Abreviews | Notes
---|---|---
ELISA | 1/10000. | 1/10000.
IHC-P | 1/50 - 1/100. | 1/50 - 1/100.
ICC/IF | 1/500 - 1/1000. | 1/500 - 1/1000.

Images

All lanes: Anti-Parathyroid Hormone Receptor 1/PTH1R antibody (ab75150) at 1/500 dilution

Lane 1: Extracts from Jurkat cells
Lane 2: Extracts from Jurkat cells with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size: 66 kDa
Oberved band size: 56 kDa

why is the actual band size different from the predicted?

Additional bands at: 117 kDa, 82 kDa. We are unsure as to the identity of these extra bands.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone Receptor 1/PTH1R antibody (ab75150)

This image is courtesy of an Abreview submitted by Thomas Lozito

Immunohistochemistry analysis of Parathyroid Hormone Receptor 1/PTH1R in paraffin-embedded human brain tissue using ab75150, at 1/50 dilution, in the presence (right panel) or absence (left panel) of immunising peptide.

Immunofluorescence analysis of Parathyroid Hormone Receptor 1/PTH1R in MCF7 cells using ab75150, at 1/500 dilution, in the presence (right panel) or absence (left panel) of immunising peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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