

# PTH/PTHrP-R Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP07477

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human PTHR1. AA range:145-194

Mol wt 52979

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/m

Full name PTH/PTHrP-R Antibody

Synonyms PTH1R; PTHR; PTHR1; Parathyroid hormone/parathyroid hormone-related peptide receptor; PTH/PTHrP

type I receptor; PTH/PTHr receptor; Parathyroid hormone 1 receptor; PTH1 receptor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

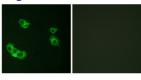
The protein encoded by PTH1R (parathyroid hormone 1 receptor) is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHLH). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in this receptor are known to be the cause of Jansen's metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchodromatosis. Two transcript variants encoding the same protein have been found for PTH1R.

## Recommended Dilution

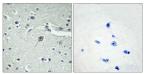
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 10000

Not yet tested in other applications.

#### Images



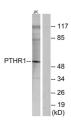
Immunofluorescence analysis of MCF7 cells, using PTHR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PTHR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of COLO cells using PTH/PTHrP-R Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat cells, using PTHR1 Antibody. The lane on the right is blocked with the synthesized peptide.

# Storage

-20°C for one year

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