

**Anti-Parathyroid Hormone Receptor 1 Monoclonal Antibody**  
**Catalog # ABO14666****Specification****Anti-Parathyroid Hormone Receptor 1 Monoclonal Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">Q03431</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Parathyroid Hormone Receptor 1 Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human.

**Anti-Parathyroid Hormone Receptor 1 Monoclonal 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

**Application Details**

WB 1:500-1:2000<br>IP 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Parathyroid Hormone Receptor 1 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.

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Parathyroid Hormone Receptor 1 Monoclonal Antibody - Protein Information**

**Name** PTH1R {ECO:0000303|PubMed:10913300, ECO:0000312|HGNC:HGNC:9608}

## Function

G-protein-coupled receptor for parathyroid hormone (PTH) and for parathyroid hormone-related peptide (PTHrP) (PubMed: [10913300](http://www.uniprot.org/citations/10913300)), PubMed: [18375760](http://www.uniprot.org/citations/18375760)), PubMed: [19674967](http://www.uniprot.org/citations/19674967)), PubMed: [27160269](http://www.uniprot.org/citations/27160269)), PubMed: [30975883](http://www.uniprot.org/citations/30975883)), PubMed: [35932760](http://www.uniprot.org/citations/35932760)), PubMed: [8397094](http://www.uniprot.org/citations/8397094)). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (cAMP) (PubMed: [30975883](http://www.uniprot.org/citations/30975883)), PubMed: [35932760](http://www.uniprot.org/citations/35932760)). PTH1R is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed: [20172855](http://www.uniprot.org/citations/20172855)), PubMed: [30975883](http://www.uniprot.org/citations/30975883)), PubMed: [35932760](http://www.uniprot.org/citations/35932760)). PTHrP dissociates from PTH1R more rapidly than PTH; as consequence, the cAMP response induced by PTHrP decays faster than the response induced by PTH (PubMed: [35932760](http://www.uniprot.org/citations/35932760)).

## Cellular Location

Cell membrane; Multi-pass membrane protein

## Tissue Location

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

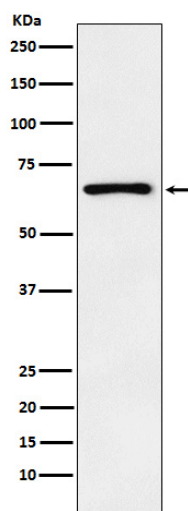
## Anti-Parathyroid Hormone Receptor 1 Monoclonal Antibody - Protocols

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 Monoclonal Antibody - Images





Western blot analysis of Parathyroid Hormone Receptor 1 expression in HeLa cell lysate.