

Parathyroid hormone/parathyroid hormone-related peptide receptor Polyclonal Antibody
Catalog # AP74039**Specification****Parathyroid hormone/parathyroid hormone-related peptide receptor Polyclonal Antibody**
- Product Information

Application	WB, IHC-P
Primary Accession	Q03431
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Parathyroid hormone/parathyroid hormone-related peptide receptor Polyclonal 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)

Dilution

WB~~WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000
IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

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- 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, PubMed:18375760, PubMed:19674967, PubMed:27160269, PubMed:30975883, PubMed:35932760, PubMed: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:10913300).

[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)). PTHLH dissociates from PTH1R more rapidly than PTH; as consequence, the cAMP response induced by PTHLH 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

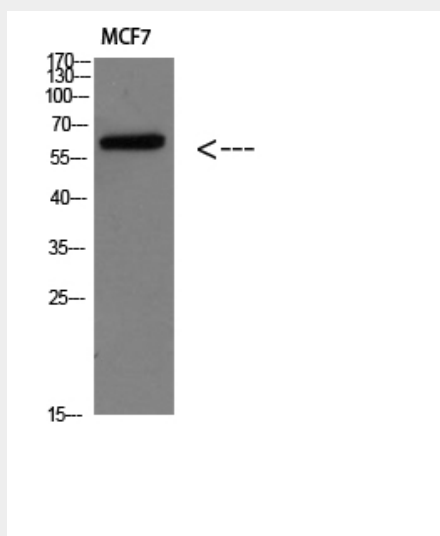
Expressed in most tissues. Most abundant in kidney, bone and liver.

Parathyroid hormone/parathyroid hormone-related peptide receptor Polyclonal Antibody - Protocols

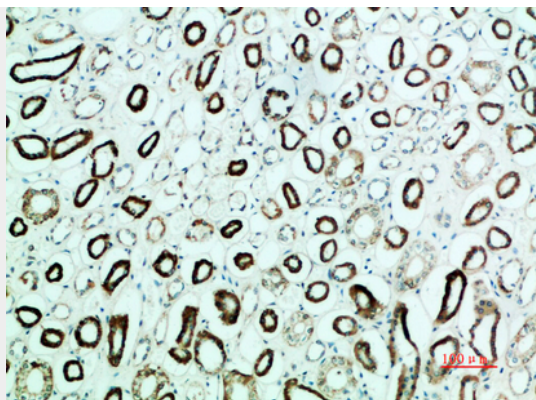
Provided below are standard protocols that you may find useful for product applications.

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

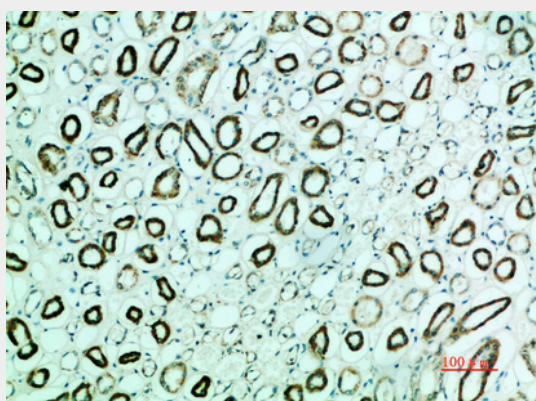
Parathyroid hormone/parathyroid hormone-related peptide receptor Polyclonal Antibody - Images



Western blot analysis of MCF7 Cell Lysate, antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200

Parathyroid hormone/parathyroid hormone-related peptide receptor Polyclonal Antibody - Background

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.