

Parathyroid Hormone Receptor 1 Antibody
Rabbit mAb
Catalog # AP91804**Specification****Parathyroid Hormone Receptor 1 Antibody - Product Information**

Application	WB, IP
Primary Accession	Q03431
Clonality	Monoclonal
Other Names	
PTH receptor; PTH1 receptor; PTH1R; PTHR 1; PTHR; PTHR1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	66361 Da

Parathyroid Hormone Receptor 1 Antibody - Additional Information

Dilution	WB~~1:1000 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Parathyroid Hormone Receptor 1
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Parathyroid Hormone Receptor 1 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, 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:30975883, PubMed:35932760). PTH1R is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:20172855, PubMed:30975883, PubMed: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).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

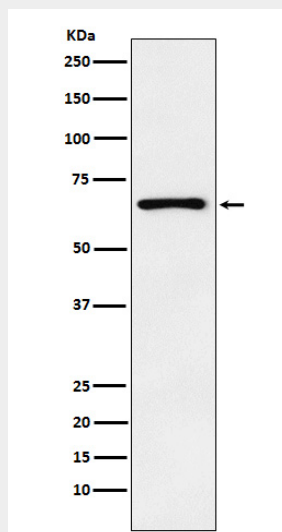
Expressed in most tissues. Most abundant in kidney, bone and liver.

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](#)

Parathyroid Hormone Receptor 1 Antibody - Images



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