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Parathyroid Hormone Receptor 1 Rabbit mAb

Catalog # AP77828

Product Information

Application	WB, IP
Primary Accession	Q03431
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Parathyroid Hormone Receptor 1
Purification	Affinity Chromatography
Calculated MW	66361

Additional Information

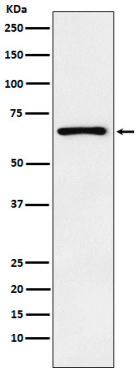
Gene ID	5745
Other Names	PTH1R
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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 (PTHLH) (PubMed:10913300, PubMed:11773434, 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.

Images



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