

Rabbit anti-Human, Rat PTH1R Polyclonal Antibody | anti-PTH1R antibody

PTH1R Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326354	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PTH1R; Polyclonal Antibody; PTH1R Antibody; MGC138426; MGC138452; Parathyroid hormone 1 receptor; Parathyroid hormone/parathyroid hormone related peptide receptor; Parathyroid hormone/parathyroid hormone related protein receptor; Parathyroid hormone/parathyroid hormone-related peptide receptor; PTH receptor; PTH/PTHr receptor; PTH/PTHrP receptor; PTH/PTHrP type I receptor; PTH1 receptor; PTH1R_HUMAN; PTHR 1; PTHR; PTHR1; anti-PTH1R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PTH1R antibody detects endogenous levels of total PTH1R
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	593
Applicable Applications for anti-PTH1R antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PTH1R
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed in most tissues. Most abundant in kidney, bone and liver.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326354 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326354 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Jurkat whole cell lysates, using PTH1R Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PTH1R antibody	Description: The protein encoded by this gene 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 (PTHrP). 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 metaphysealchondrodysplasia (JMC), chondrodysplasiaBlomstrand type (BOCD), as well as enchondromatosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010] Function: 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. Subunit Structure: Interacts (via N-terminal extracellular domain) with PTHrP and PTH (PubMed:8397094, PubMed:10913300, PubMed:18375760, PubMed:19674967). Homodimer in the absence of bound ligand. Peptide hormone binding leads to dissociation of the homodimer (PubMed:19674967, PubMed:20172855). Post-translational Modifications: N-glycosylated. Similarity: Belongs to the G-protein coupled receptor 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506271
NCBI GeneID	5745
NCBI Accession #	NP_000307.1
NCBI GenBank Nucleotide #	NM_000316.2
UniProt Accession #	Q03431; Q2M1U3
Molecular Weight	Observed: 66 kDa Predicted: 67 kDa
NCBI Official Full Name	parathyroid hormone/parathyroid hormone-related peptide receptor
NCBI Official Synonym Full Names	parathyroid hormone 1 receptor
NCBI Official Symbol	PTH1R
NCBI Official Synonym Symbols	PFE; PTHR; PTHR1
NCBI Protein Information	parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Protein Name	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Gene Name	PTH1R
UniProt Synonym Gene Names	PTHR; PTHR1; PTH/PTHr receptor; PTH1 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.