

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

Anti-PTH1R Antibody, Rabbit Polyclonal

CATALOG # AAA255545	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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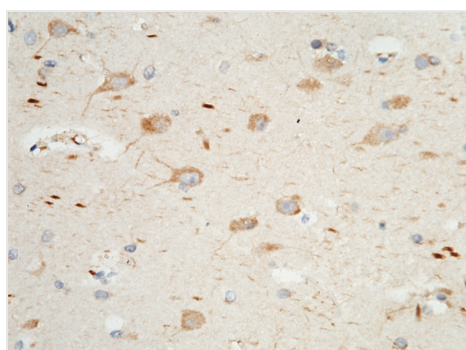
PRODUCT SYNONYMS

PTH1R; Polyclonal Antibody; Anti-PTH1R Antibody; Rabbit Polyclonal; PTH1R/PTHR1 Antibody; Rabbit PAb; Antigen Affinity Purified; parathyroid hormone 1 receptor; Anti-MGC138426 Antibody; Anti-MGC138452 Antibody; Anti-PFE Antibody; Anti-PTHR Antibody; Anti-PTHR1 Antibody; anti-PTH1R antibody

PRODUCT SPECIFICATIONS

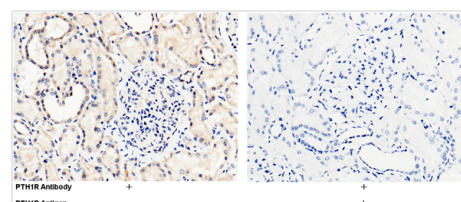
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PTH1R/PTHR1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PTH1R antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human PTH1R/PTHR1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PTH1R/PTHR1 (rh PTH1R/PTHR1). PTH1R/PTHR1 specific IgG was purified by Human PTH1R/PTHR1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



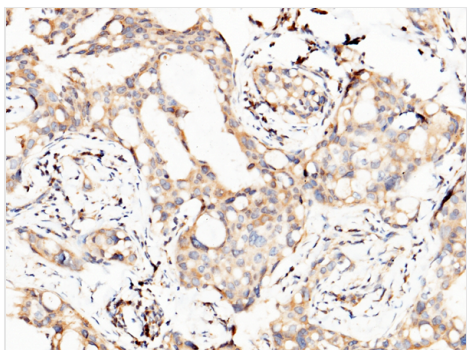
IHC (Immunohistochemistry)

Immunochemical staining of human PTH1R in human brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human PTH1R in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). Positive staining was localized to nephric tubule. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)
 Immunochemical staining of human PTH1R in human mammary adenocarcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PTH1R antibody	Parathyroid hormone/parathyroid hormone-related peptide receptor, also known as PTH/PTHrP type I receptor, PTH/PTHr receptor, Parathyroid hormone 1 receptor, PTH1 receptor, PTH1R and PTHR, is a multi-pass membrane protein which belongs to the G-protein coupled receptor 2 family. PTH1R is expressed in most tissues. It is most abundant in kidney, bone and liver. PTH1R is expressed in high levels in bone and kidney and regulates calcium ion homeostasis through activation of adenylate cyclase and phospholipase C. In bone, PTH1R is expressed on the surface of osteoblasts. When the receptor is activated, these cells in turn stimulate osteoclasts to ultimately increase the resorption rate. PTH1R is a receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of PTH1R is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in PTH1R are the cause of Jansen metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), enchondromatosis multiple (ENCHOM), Eiken skeletal dysplasia (EISD) and primary failure of tooth eruption (PFE).
References	Schipani E., et al., 1993, Endocrinology 132:2157-2165. Hopyan S., et al., 2002, Nat. Genet. 30:306-310. Bastepe M., et al., 2004, J. Clin. Endocrinol. Metab. 89:3595-3600. Duchatelet S., et al., 2005, Hum. Mol. Genet. 14:1-5. Decker E., et al., 2008, Am. J. Hum. Genet. 83:781-786.

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	66,361 Da
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; PTH1 receptor; PTH/PTHr receptor; PTH/PTHrP type I receptor; parathyroid hormone receptor 1; seven transmembrane helix receptor; parathyroid hormone/parathyroid hormone-related protein rece
UniProt Protein Name	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Gene Name	PTH1R
UniProt Synonym Gene Names	PTHR; PTHR1; PTH/PTHr 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pth1r-antibody-immunohistochemistry-elisa/255545>