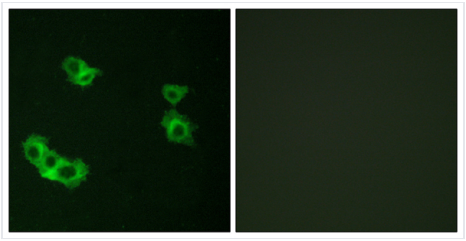
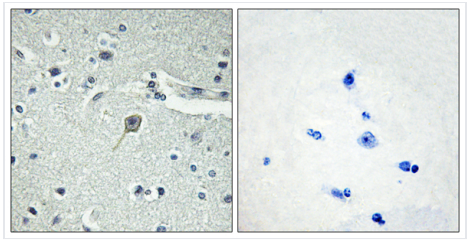
PTHR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

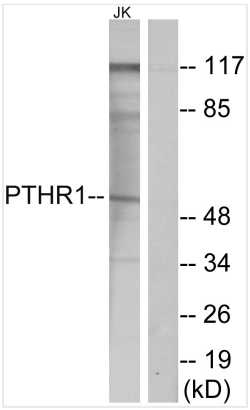
Product Name	PTHR1, Polyclonal Antibody
Full Product Name	PTHR1 Antibody
Product Gene Name	anti-PTHR1 antibody
Product Synonym Gene Name	PTH1R
Product Synonym Names	Calcitonin gene-related peptide type 1 receptor; CGRP type 1 receptor; Calcitonin receptor-like receptor; CALCRL; CGRPR
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PTHR1 Antibody detects endogenous levels of total PTHR1 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	52 kDa
OMIM	L04308 mRNA
3D Structure	ModBase 3D Structure for Q03431
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PTHR1.
Immunogen Range	145-194
Applications Tested/Suitable for anti-PTHR1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-PTHR1 antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:10000
Related Product Information for anti-PTHR1 antibody	MBS9507971 is an antibody targeting PTHR1. Also known as PTHR1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PTHR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-PTHR1 antibody
Immunofluorescence analysis of MCF7 cells, using PTHR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry (IHC) of anti-PTHR1 antibody
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PTHR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-PTHR1 antibody
Western blot analysis of lysates from Jurkat cells, using PTHR1 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTHR1. It may not necessarily be applicable to this product.

NCBI GI #	4506271
NCBI GeneID	5745
NCBI Accession #	NP_000307.1
UniProt Primary Accession #	Q03431
UniProt Secondary Accession #	Q2M1U3
UniProt Related Accession #	Q03431
GenBank Nucleotide #	NM_000316.2
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
UniProt Protein Name	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Synonym Protein Names	PTH/PTHrP type I receptor; PTH/PTHr receptor; Parathyroid hormone 1 receptor; PTH1 receptor
UniProt Gene Name	PTH1R
UniProt Synonym Gene Names	PTHR; PTHR1; PTH/PTHr receptor; PTH1 receptor
NCBI Protein Information	parathyroid hormone/parathyroid hormone-related peptide receptor

NCBI Summary for PTHR1	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 (PTHLH). 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 metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchodromatosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]
UniProt Comments for PTHR1	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.
Research Articles on PTHR1	**1.** PTH1R mutation is associated with Primary Failure of Tooth Eruption.
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