Datasheet for ABIN3043983

anti-PTH1R antibody (C-Term)

2 Images | 3 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	PTH1R
Binding Specificity:	AA 388-406, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Parathyroid hormone/parathyroid hormone-related peptide receptor(PTH1R) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Parathyroid Hormone Receptor 1(388-406aa KLRETNAGRCDTRQQYRKL), identical to the related mouse and rat sequences.
Sequence:	KLRETNAGRC DTRQQYRKL
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse, rat No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Parathyroid hormone/parathyroid hormone-related peptide receptor(PTH1R) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: parathyroid hormone 1 receptor Protein Name: Parathyroid hormone/parathyroid hormone-related peptide receptor
Purification:	Immunogen affinity purified.

Target Details

Target:	PTH1R
Alternative Name:	PTH1R (PTH1R Products)
Background:	Parathyroid hormone/parathyroid hormone-related peptide receptor, also known as PTH1R, PTHR, is a protein that in humans is encoded by the PTH1R gene. PTHR is a member of a family of G protein-coupled receptors. PTHR gene was mapped to the vicinity of the 3p21.3-p21.2 boundary by PCR analysis of human/rodent somatic cell hybrid panels using oligonucleotide primers designed to amplify a portion of the gene from genomic DNA. This is a 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. PTH1R functions as a receptor for parathyroid hormone and for parathyroid hormone-related protein. Synonyms: MGC138426 antibody|MGC138452 antibody|Parathyroid hormone 1 receptor antibody|Parathyroid hormone/parathyroid hormone related peptide receptor antibody|Parathyroid hormone/parathyroid hormone related protein receptor antibody|Parathyroid hormone/parathyroid hormone-related peptide receptor antibody|PTH receptor antibody|PTH/PTHr receptor antibody|PTH/PTHrP receptor antibody|PTH/PTHrP type I receptor antibody|PTH1 receptor antibody|PTH1R antibody|PTH1R_HUMAN antibody|PTHR 1 antibody|PTHR antibody|PTHR1 antibody
UniProt:	Q03431
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for

Application Details

	20 mins is required for the staining of formalin/paraffin sections. ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

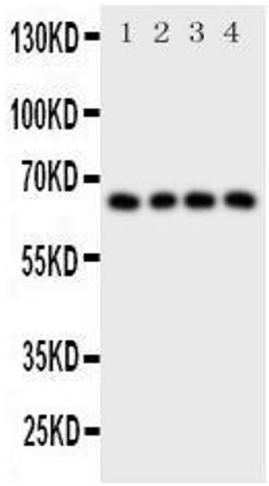
Publications

Product cited in:	Lang, Schulte, Goddard, Hedrick, Schulte, Wei, Schmiedt: "Transplantation of mouse embryonic stem cells into the cochlea of an auditory-neuropathy animal model: effects of timing after injury." in: **Journal of the Association for Research in Otolaryngology : JARO**, Vol. 9, Issue 2, pp. 225-40, (2008) (PubMed).

Publications

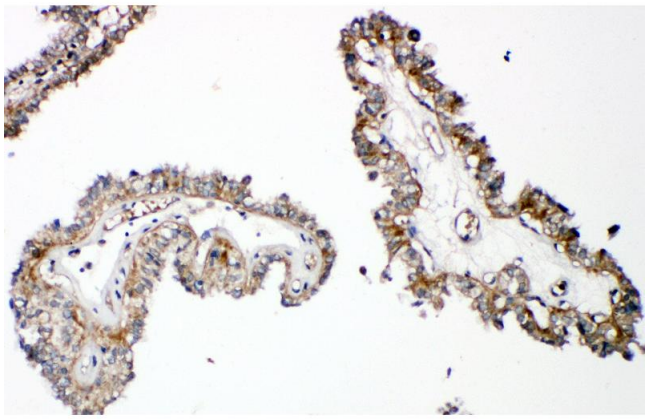
Lang, Ebihara, Schmiedt, Minamiguchi, Zhou, Smythe, Liu, Ogawa, Schulte: "Contribution of bone marrow hematopoietic stem cells to adult mouse inner ear: mesenchymal cells and fibrocytes." in: **The Journal of comparative neurology**, Vol. 496, Issue 2, pp. 187-201, (2006) (PubMed).

Validation report #300029 for Immunohistochemistry (IHC)



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti-Parathyroid Hormone Receptor 1 antibody, IHC(P) IHC(P): Human Thyroid Cancer Tissue