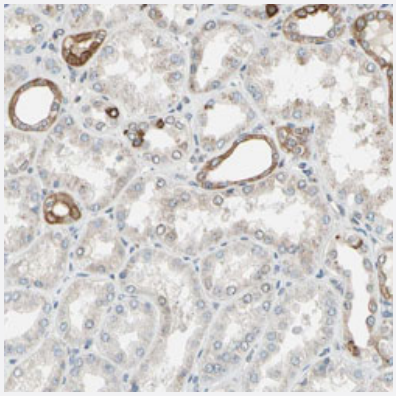
# PTH1R polyclonal antibody

Catalog # PAB30417 Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with PTH1R polyclonal antibody (Cat # PAB30417) shows moderate positivity in a subset of tubules at 1:50-1:200 dilution.

## Specification

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| **Product Description** | Rabbit polyclonal antibody raised against partial recombinant human PTH1R. |
| **Immunogen** | Recombinant protein corresponding to human PTH1R. |
| **Sequence** | RWTLALDFKRKARSGSSSYSYGPMVSHTSVTNVGPRVGLGLPLSPRLLPTATTNGHPQLPGHAK PGTPALETLETTPPAMAAPKDDGFLNGSCSGLDEEASGPERPPALLQ |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |

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| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Gene Info — PTH1R

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|---|---|
| **Entrez GeneID** | 5745 |
| **Protein Accession#** | Q03431 |
| **Gene Name** | PTH1R |
| **Gene Alias** | MGC138426, MGC138452, PTHR, PTHR1 |
| **Gene Description** | parathyroid hormone 1 receptor |
| **Omim ID** | 156400 166000 168468 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a member of the G-protein coupled receptor family 2. This pr otein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PT HLH). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and a lso 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. [provided by RefSeq |
| **Other Designations** | PTH/PTHr receptor\|PTH/PTHrP type I receptor\|parathyroid hormone receptor 1\|parathyroid hormo ne/parathyroid hormone-related peptide receptor\|parathyroid hormone/parathyroid hormone-relat ed protein receptor\|seven transmembrane helix receptor |

## Pathway

- Neuroactive ligand-receptor interaction

## Disease

- Alzheimer disease
- Bone Resorption
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Fractures
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Metabolic Syndrome X
- Neoplasms
- Obesity
- Osteonecrosis
- Osteoporosis
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder