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# PTH2R Rabbit pAb

Catalog # AP96726

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q91V95 |
| **Other Accession** | Q91V95 |
| **Reactivity** | Rat, Mouse |
| **Predicted** | Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 61908 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from mouse PTH2R |
| **Epitope Specificity** | 81-180/550 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the G-protein coupled receptor 2 family. |
| **SUBUNIT** | Interacts (via N-terminal extracellular domain) with PTHLH and PTH. Homodimer in the absence of bound ligand. Peptide hormone binding leads to dissociation of the homodimer. Interacts (via C-terminus) with the heterodimer formed by GNG2 and GNB1. |
| **DISEASE** | The disease is caused by mutations affecting the gene represented in this entry. Disease description:Rare autosomal dominant disorder characterized by a short-limbed dwarfism associated with hypercalcemia and normal or low serum concentrations of the two parathyroid hormones. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The protein encoded by this gene is a member of the G-protein coupled receptor 2 family. This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTHR1). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHLH) and is particularly abundant in brain and pancreas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013] |

## Additional Information

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| **Gene ID** | 213527 |
| **Other Names** | PTHR2; PTH2R_HUMAN; PTH2R; PTH2 receptor; PTH2R_MOUSE; PTH2R_RAT; parathyroid hormone 2 receptor; parathyroid hormone receptor 2 |
| **Dilution** | WB=1:500-2000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When |

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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| **Name** | Pth2r |
| **Synonyms** | Pthr2 |
| **Function** | This is a specific receptor for parathyroid hormone. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. PTH2R may be responsible for PTH effects in a number of physiological systems. It may play a significant role in pancreatic function. PTH2R presence in neurons indicates that it may function as a neurotransmitter receptor (By similarity). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. |

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