Datasheet for ABIN7600696

# anti-PTH2R antibody (AA 22-511)

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## Overview

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| Quantity: | 100 µg |
| Target: | PTH2R |
| Binding Specificity: | AA 22-511 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PTH2R antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF) |

## Product Details

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| Purpose: | Anti-PTH2R Antibody Picoband® |
| Immunogen: | E.coli-derived human PTH2R recombinant protein (Position: A22-E511). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-PTH2R Antibody Picoband® (ABIN7600696). Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | PTH2R |
| Alternative Name: | PTH2R (PTH2R Products) |
| Background: | Synonyms: Pre T-cell antigen receptor alpha, pT-alpha, pTa, pT-alpha-TCR, PTCRA<br>Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.<br>Background: Parathyroid hormone 2 receptor is a protein that in humans is encoded by the PTH2R gene. 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. |
| Molecular Weight: | 75 kDa |
| Gene ID: | 5746 |
| UniProt: | P49190 |
| Pathways: | cAMP Metabolic Process |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Clark, J. A., Bonner, T. I., Kim, A. S., Usdin, T. B. Multiple regions of ligand discrimination revealed by analysis of chimeric parathyroid hormone 2 (PTH2) and PTH/PTH-related peptide (PTHrP) receptors. Molec. Endocr. 12: 193-206, 1998. 2. Kim, J., Won, H.-H., Kim, Y., Choi, J. R., Yu, N., Lee, K.-A. Breakpoint mapping by whole genome sequencing identifies PTH2R gene disruption in a patient with midline craniosynostosis and a de novo balanced chromosomal rearrangement. J. Med. Genet. 52: 706-709, 2015. 3. Meulenbelt, I., Min, J. L., van Duijn, C. M., Kloppenburg, M., Breedveld, F. C., Slagboom, P. E. Strong linkage on 2q33.3 to familial early-onset generalized osteoarthritis and a consideration of two positional candidate genes. Europ. J. Hum. Genet. 14: 1280-1287, 2006. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |