

Anti-Growth hormone receptor/GHR Antibody Picoband® HRP Conjugated

Catalog Number: PA1726-HRP

About Ghr

The GHR locus to human chromosome 5p13.1-p12 and to mouse chromosome 15. Additionally, its gene has 9 exons that encode the receptor and several additional exons in the 5-prime untranslated region. The coding exons span at least 87 kb. GHR consists of an extracellular domain of 246 amino acids, a single transmembrane domain, and a cytoplasmic domain. Exons 3 to 7 encode the extracellular domain. There are 2 isoforms of GHR in humans, generated by retention or exclusion of exon 3 during splicing: a full-length isoform and an isoform that lacks exon 3 (d3GHR). Furthermore, the two isoforms of GHR are expressed in the placenta and appeared to be due to alternative splicing. In cirrhosis, there is a state of acquired GH resistance, as defined by high circulating GH levels with low IGF1 levels. Moreover, Mutations in the GHR gene have been demonstrated as the cause of Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS).

Overview

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|----------------------|---|
| Product Name | Anti-Growth hormone receptor/GHR Antibody Picoband® HRP Conjugated |
| Reactive Species | Mouse, Rat |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P16882 |

Technical Details

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|------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of mouse Growth hormone receptor, identical to the related rat sequence. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | HRP |

Suggested Dilutions

The intended application should be selected according to the customer's experimental requirements.

1 Publications Citing This Product

1. PubMed ID: 10.1126/sciadv.abg6005, Mesenchymal growth hormone receptor deficiency leads to failure of alveolar progenitor cell function and severe pulmonary fibrosis

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