BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Growth hormone receptor/GHR Antibody Picoband® APC Conjugated

Catalog Number: PA1726-APC

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

Product Name	Anti-Growth hormone receptor/GHR Antibody Picoband® APC Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P16882

Technical Details

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	APC

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	Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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

Visit bosterbio.com/anti-growth-hormone-receptor-antibody-pa1726-boster.html to see all 1 publications.

Anti-Growth hormone receptor/GHR Antibody - APC

For Research Use Only. Not for use in diagnostic procedures.