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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Growth hormone receptor/GHR Antibody

Catalog Number: PA1726

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
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Growth hormone receptor/GHR Antibody catalog # PA1726. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
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.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

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Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Mouse, Rat

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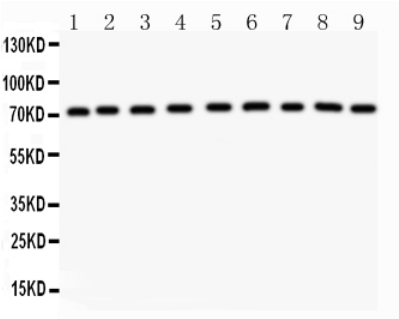
Anti-Growth hormone receptor/GHR Antibody (PA1726) Images



Anti-GHR antibody, PA1726, Western blotting
All lanes: Anti GHR (PA1726) at 0.5ug/ml
Lane 1: Rat Liver Tissue Lysate at 50ug
Lane 2: Rat Kidney Tissue Lysate at 50ug
Lane 3: Rat Spleen Tissue Lysate at 50ug
Lane 4: Rat Intestine Tissue Lysate at 50ug
Lane 5: Mouse Spleen Tissue Lysate at 50ug
Lane 6: Mouse Testis Tissue Lysate at 50ug
Lane 7: Mouse Liver Tissue Lysate at 50ug
Lane 8: Mouse Kidney Tissue Lysate at 50ug
Lane 9: Mouse Intestine Tissue Lysate at 50ug
Predicted bind size: 72KD
Observed bind size: 72KD

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.