

Rabbit anti-Mouse, Rat Growth hormone receptor/GHR Polyclonal Antibody | anti-Ghr antibody

Anti-Growth hormone receptor/GHR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125406	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

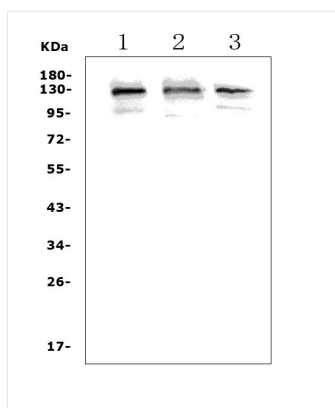
PRODUCT SYNONYMS

Growth hormone receptor/GHR; Polyclonal Antibody; Anti-Growth hormone receptor/GHR Antibody; Growth hormone receptor; GH receptor; Somatotropin receptor; Growth hormone-binding protein; GH-binding protein; GHBP; Serum-binding protein; Ghr; anti-Ghr antibody

PRODUCT SPECIFICATIONS

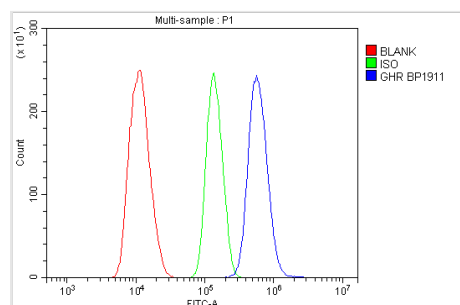
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	650
Applicable Applications for anti-Ghr antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived mouse Growth hormone receptor/GHR recombinant protein (Position: T25-Q650).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

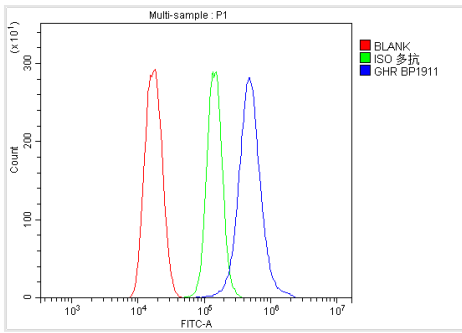


WB (Western Blot)

Figure 1. Western blot analysis of Ghr using anti-Ghr antibody.



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-Ghr antibody	Description: Rabbit IgG polyclonal antibody for Growth hormone receptor/GHR detection. Tested with WB, FCM, Direct ELISA in Mouse; Rat. Background: Growth hormone receptor is a protein that in humans is encoded by the GHR gene. It is mapped to 15 A1; 15 1.84 cM. This gene encodes a member of the type I cytokine receptor family, which is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. Multiple alternatively spliced transcript variants have been found for this gene.
References	- Horan, M., Newsway, V., Yasmin, (NI), Lewis, M. D., Easter, T. E., Rees, D. A., Mahto, A., Millar, D. S., Procter, A. M., Scanlon, M. F., Wilkinson, I. B., Hall, I. P., Wheatley, A., Blakey, J., Bath, P. M. W., Cockcroft, J. R., Krawczak, M., Cooper, D. N. Genetic variation at the growth hormone (GH1) and growth hormone receptor (GHR) loci as a risk factor for hypertension and stroke. <i>Hum. Genet.</i> 119: 527-540, 2006. - Pantel, J., Grulich-Henn, J., Bettendorf, M., Strasburger, C. J., Heinrich, U., Amselem, S. Heterozygous nonsense mutation in exon 3 of the growth hormone receptor (GHR) in severe GH insensitivity (Laron syndrome) and the issue of the origin and function of the GHRd3 isoform. <i>J. Clin. Endocr. Metab.</i> 88: 1705-1710, 2003. - Tiulpakov, A., Rubstov, P., Dedov, I., Peterkova, V., Bezlepikina, O., Chrousos, G. P., Hochberg, Z. A novel C-terminal growth hormone receptor (GHR) mutation results in impaired GHR-STAT5 but normal STAT-3 signaling. <i>J. Clin. Endocr. Metab.</i> 90: 542-547, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	121178
NCBI GeneID	14600
UniProt Accession #	P16882
NCBI Official Full Name	Growth hormone receptor
NCBI Official Synonym Full Names	growth hormone receptor
NCBI Official Symbol	Ghr
NCBI Official Synonym Symbols	GHBP; GHR/BP
NCBI Protein Information	growth hormone receptor
UniProt Protein Name	Growth hormone receptor
UniProt Gene Name	Ghr
UniProt Synonym Gene Names	GH receptor; GH-binding protein; GHBP
UniProt Entry Name	GHR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/growth-hormone-receptor-ghr-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125406>