

Rabbit anti-Mouse Growth Hormone Receptor Polyclonal Antibody | anti-GHR antibody

Anti-Growth Hormone Receptor Antibody, Rabbit Polyclonal

CATALOG # AAA257067	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Growth Hormone Receptor; Polyclonal Antibody; Anti-Growth Hormone Receptor Antibody; Rabbit Polyclonal; Growth Hormone Receptor/GHR/GHBP Antibody; Rabbit PAb; Antigen Affinity Purified; growth hormone receptor; Anti-GHBP Antibody; Anti-GHR/BP Antibody; anti-GHR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Growth Hormone Receptor/GHR/GHBP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Concentration	5 mg/mL (varies by lot)
Applicable Applications for anti-GHR antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse Growth Hormone Receptor/GHR/GHBP protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse Growth Hormone Receptor/GHR/GHBP (rM Growth Hormone Receptor/GHR/GHBP). Growth Hormone Receptor/GHR/GHBP specific IgG was purified by Mouse Growth Hormone Receptor/GHR/GHBP affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degrees C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degrees C to -80 degrees C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-GHR rabbit polyclonal antibody at 1:500 dilution Lane A: PC-3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&Amp;L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 71 kDa Observed band size: 55 kDa



IHC (Immunohistochemistry)

Immunochemical staining of mouse GHR in mouse kidney with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse GHR in mouse stomach with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-GHR antibody	Growth hormone receptor, also known as GH receptor and GHR, is a single-pass type I membrane protein which belongs to the type I cytokine receptor family and type 1 subfamily. GHR contains one fibronectin type-III domain. Growth hormone receptor/GHR is expressed in various tissues with high expression in liver and skeletal muscle. Isoform 4 of GHR is predominantly expressed in kidney, bladder, adrenal gland and brain stem. Isoform 1 expression of GHR in placenta is predominant in chorion and decidua. Isoform 4 is highly expressed in placental villi. Isoform 2 of GHR is expressed in lung, stomach and muscle. Growth hormone receptor/GHR is a receptor for pituitary gland growth hormone. It is involved in regulating postnatal body growth. On ligand binding, it couples to the JAK2/STAT5 pathway. Isoform 2 of GHR up-regulates the production of GHBP and acts as a negative inhibitor of GH signaling. Defects in GHR are a cause of Laron syndrome (LARS) which is a severe form of growth hormone insensitivity characterized by growth impairment, short stature, dysfunctional growth hormone receptor, and failure to generate insulin-like growth factor I in response to growth hormone. Defects in GHR may also be a cause of idiopathic short stature autosomal (ISSA) which is defined by a subnormal rate of growth.
References	Leung DW. et al., 1987, Nature. 330:537-43. Sobrier M-L. et al., 1997, J Clin Endocrinol Metab. 82: 435-7. Enberg B. et al., 2000, Eur J Endocrinol. 143: 71-6. Pantel J. et al., 2000, J Biol Chem. 275: 18664-9. Jorge AAL. et al., 2004, Clin Endocrinol. (Oxf.) 60: 36-40.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114520600
NCBI GeneID	14600
NCBI Accession #	NP_034414.2
NCBI GenBank Nucleotide #	NM_010284.3
Molecular Weight	34,105 Da
NCBI Official Full Name	growth hormone receptor isoform 1
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/growth-hormone-receptor-antibody-immunohistochemistry-western-blot-elisa/257067>