

## Rabbit anti-Mouse Growth Hormone Receptor Monoclonal Antibody | anti-GHR antibody

Recombinant Anti-Growth Hormone Receptor Antibody, Rabbit Monoclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA257066</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

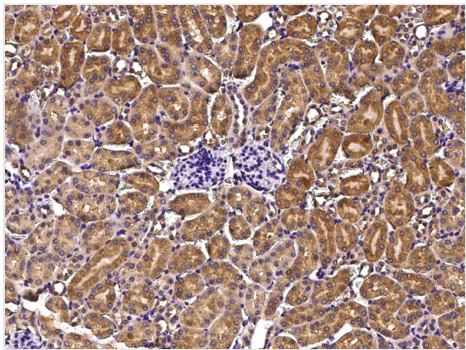
### PRODUCT SYNONYMS

Growth Hormone Receptor; Monoclonal Antibody; Recombinant Anti-Growth Hormone Receptor Antibody; Rabbit Monoclonal; Growth Hormone Receptor/GHR/GHBP Antibody; Rabbit MAb; growth hormone receptor; Anti-GHBP Antibody; Anti-GHR/BP Antibody; anti-GHR antibody

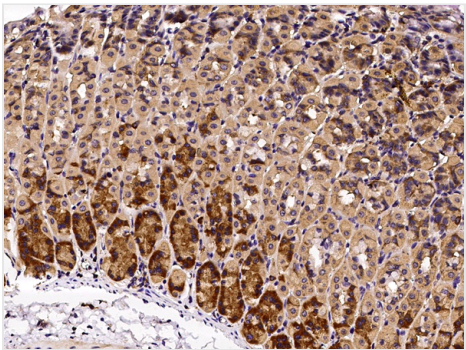
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                       |
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| Host                                          | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                    | Mouse                                                                                                                                                                                                                                                                 |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                       | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                  | 008                                                                                                                                                                                                                                                                   |
| Specificity                                   | Mouse Growth Hormone Receptor/GHR/GHBP                                                                                                                                                                                                                                |
| Purity/Purification                           | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                   | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-GHR antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Antibody Type                                 | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                     | Recombinant Mouse Growth Hormone Receptor/GHR/GHBP protein                                                                                                                                                                                                            |
| Conjugation                                   | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                   | This antibody was obtained from a rabbit immunized with purified, recombinant Mouse Growth Hormone Receptor/GHR/GHBP (rM Growth Hormone Receptor/GHR/GHBP).                                                                                                           |
| Preparation and Storage                       | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



IHC (Immunohistochemistry)  
Immunochemical staining of mouse GHR in mouse kidney with rabbit monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)  
Immunochemical staining of mouse GHR in mouse stomach with rabbit monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

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| 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.