



## **GHR Monoclonal Antibody**

Isotype       IgG         Reactivity       Human;Mouse;Rat         Applications       WB         Gene Name       GHR         Protein Name       Growth hormone receptor         Immunogen       The antiserum was produced against synthesized peptide derived from the N-terminal region of human GHR. AA range:21-70         Specificity       GHR Monoclonal Antibody detects endogenous levels of GHR protein.         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Monoclonal, Mouse, IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purify       ≥90%         Storage Stability       -20°C/1 year         Synonyms       GHR; Growth hormone receptor; GH receptor; Somatotropin receptor         Observed Band       140kD         Cell membrane; Single-pass type I membrane protein. On growth hormone binding, GHR is ubiquitinated, internalized, down-regulated and transported into a degradative or nor-degradative pathway.: [Isoform 2]: Cell membrane and is not internalized.; (Growth hormone-binding protein): Secreted. Complexed to a substantial fraction or icrulating GH.         Tissue Specificity       Expressed in various tissues with high expression in liver and skeletal muscle.		
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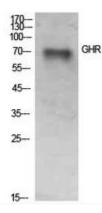
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	obesity. Levels of GHBP are low or undetectable in patients with Laron syndrome.,disease:Defects in GHR may be a cause of short stature [MIM:604271]. Short stature is defined by a subnormal rate of growth.,domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The extracellular domain is the ligand-binding domain representing the growth hormone-binding protein (GHBP).,domain:The ubiquitination-dependent endocytosis motif (UbE) is required for recruitment of the ubiquitin conjugation system on to the receptor and for its internalization.,domain:The WSXWS motif a
Background	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 Mouses, 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.[provided by RefSeq, Jun 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using GHR Monoclonal Antibody

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