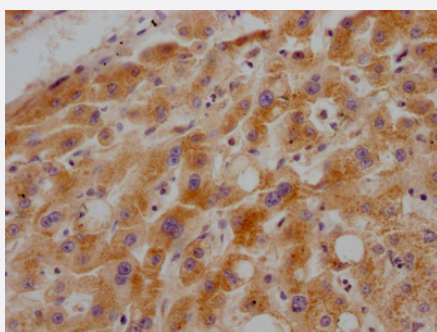


RecomAb™

GHR recombinant monoclonal antibody, clone 10C11

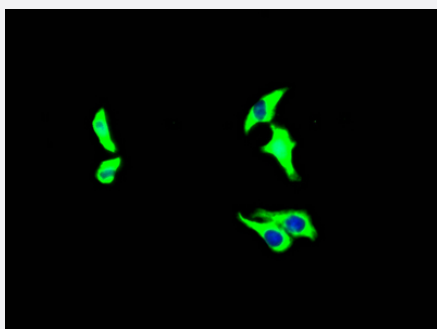
Catalog # RAB04109 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of GHR recombinant monoclonal antibody, clone 10C11 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of HepG2 Cells with GHR recombinant monoclonal antibody, clone 10C11 at 1:50, counter-stained with DAPI.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GHR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human GHR.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography

Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry

Immunohistochemistry image of GHR recombinant monoclonal antibody, clone 10C11 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of HepG2 Cells with GHR recombinant monoclonal antibody, clone 10C11 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GHR

Entrez GeneID	2690
Protein Accession#	P10912
Gene Name	GHR
Gene Alias	GHBP
Gene Description	growth hormone receptor
Omim ID	262500 600946
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a protein that 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. A common alternate allele of this gene, called GHRd3, lacks exon three and has been well-characterized. 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. Other splice variants, including one encoding a soluble form of the protein (GHRtr), have been observed but have not been thoroughly characterized. 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. The precise location of this cleavage site has not been determined for the human protein.

Other Designations

growth hormone binding protein|serum binding protein|somatotropin receptor

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acromegaly](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Binge-Eating Disorder](#)
- [Birth Weight](#)
- [Bone Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Cerebral Amyloid Angiopathy](#)
- [Cerebrovascular Accident](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Dwarfism](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Growth Disorders](#)
- [Hypertension](#)
- [Hypopituitarism](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Laron Syndrome](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)

- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pituitary ACTH Hypersecretion](#)
- [Polycystic Ovary Syndrome](#)
- [Prognathism](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Scoliosis](#)
- [Spinal Fractures](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Turner Syndrome](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)