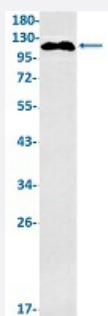


RecomAb™

GHR recombinant monoclonal antibody, clone R02-6E6

Catalog # RAB02238 Size 100 uL

Applications



Western Blot

Western Blot analysis of rat brain lysates with GHR recombinant monoclonal antibody, clone R02-6E6 (Cat # RAB02238).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GHR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GHR.
Theoretical MW (kDa)	Calculated MW: 72 kD
Reactivity	Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °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

- Western Blot

Western Blot analysis of rat brain lysates with GHR recombinant monoclonal antibody, clone R02-6E6 (Cat # RAB02238).

- Immunoprecipitation

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](#)