

GH1/GH2 polyclonal antibody

Catalog # PAB14677

Size 1 mg

Specification

Product Description Rabbit polyclonal antibody raised against recombinant GH1/GH2.

Immunogen Recombinant protein corresponding to human GH1/GH2.

Host Rabbit

Reactivity Human

Specificity This antibody recognizes human growth hormone.

Form Lyophilized

Recommend Usage The optimal working dilution should be determined by the end user.

Storage Buffer Lyophilized from 10 mM PBS, pH 7.4

Storage Instruction Store at -20°C..
After reconstitution with 1 mL of deionized water, store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GH1

Entrez GeneID [2688](#)

Gene Name GH1

Gene Alias GH, GH-N, GHN, hGH-N

Gene Description growth hormone 1

Omim ID	139250 173100 262400 262650 604271
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature. [provided by RefSeq]
Other Designations	pituitary growth hormone

Gene Info — GH2

Entrez GeneID	2689
Gene Name	GH2
Gene Alias	GH-V, GHL, GHV, hGH-V
Gene Description	growth hormone 2
Omim ID	139240
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. As in the case of its pituitary counterpart, growth hormone 1, the predominant isoform of this particular family member shows similar somatogenic activity, with reduced lactogenic activity. Mutations in this gene lead to placental growth hormone/lactogen deficiency. [provided by RefSeq]
Other Designations	placenta-specific growth hormone placental-specific growth hormone

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Dwarfism](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)

- [Esophagitis](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Hematologic Diseases](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Metaplasia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Stroke](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)