GH1 monoclonal antibody, clone 090-11212

Catalog # MAB4066 Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against native GH1.
Immunogen	Native purified GH1 from human pituitary gland.
Host	Mouse
Reactivity	Human
Specificity	Cross-reactivity: Synthetic hGH (Somatonorm) 100% human Placental Lactogen <0.02% human Prolactin <0.02%
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM phosphate buffer, 150 mM NaCl, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 shoul d be handled by trained staff only.

Applications

- Sandwich ELISA

Gene Info — GH1

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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 w hich play an important role in growth control. The gene, along with four other related genes, is loca ted at the growth hormone locus on chromosome 17 where they are interspersed in the same tran scriptional orientation; an arrangement which is thought to have evolved by a series of gene duplic ations. The five genes share a remarkably high degree of sequence identity. Alternative splicing g enerates 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 pl acental 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

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Adenocarcinoma
- Adenoma
- Alzheimer disease
- Birth Weight
- Brain Ischemia
- Breast cancer
- Breast Neoplasms

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- Cardiovascular Diseases
- Cerebrovascular Accident
- Colonic Polyps
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus
- Dwarfism
- Edema
- Esophageal Neoplasms
- Esophagitis
- Genetic Predisposition to Disease
- Growth Disorders
- Hematologic Diseases
- Hyperplasia
- Hypertension
- Kidney Failure
- Lymphoma
- Metabolic Syndrome X
- Metaplasia
- Neoplasms
- Obesity
- Occupational Diseases
- Osteoporosis
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty

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- Schizophrenia
- Scoliosis
- Stroke
- Testicular Neoplasms
- Thrombophilia
- Tobacco Use Disorder

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