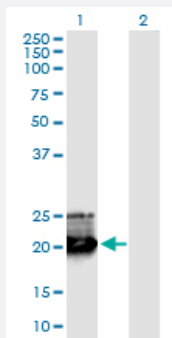


GH1 monoclonal antibody (M02), clone 8G6

Catalog # H00002688-M02

Size 100 ug

Applications

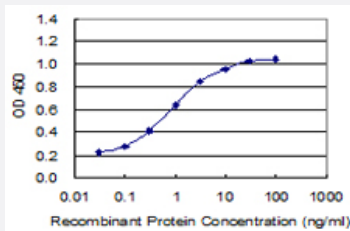


Western Blot (Transfected lysate)

Western Blot analysis of GH1 expression in transfected 293T cell line by GH1 monoclonal antibody (M02), clone 8G6.

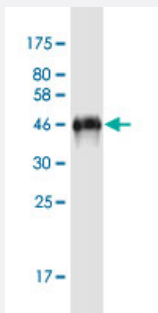
Lane 1: GH1 transfected lysate (Predicted MW: 24.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GH1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (51.2 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant GH1.

Immunogen	GH1 (AAH75012.1, 1 a.a. ~ 217 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MATGSRTSLLLAFLGLCLPWLQEGSAFPTIPLSRLFDNAMLRAHRLHQLAFDTYQEFEEAYIPKEQ KYSFLQNPQTSLCFSESIPTPSNREETQQKSNLELLRISLLLIQSWLEPVQFLRSVFANSLVYGASD SNVYDLLKDLEEGIQTLMGRLEDGSPRTGQIFKQTYSKFDTNSHNDALLKNYGLLYCFRKDMDK VETFLRIVQCRSVEGSCGF
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (51.2 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of GH1 expression in transfected 293T cell line by GH1 monoclonal antibody (M02), clone 8G6.

Lane 1: GH1 transfected lysate (Predicted MW: 24.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GH1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GH1

Entrez GeneID

[2688](#)

GeneBank Accession#	BC075012.2
Protein Accession#	AAH75012.1
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

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](#)
- [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](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Stroke](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)