

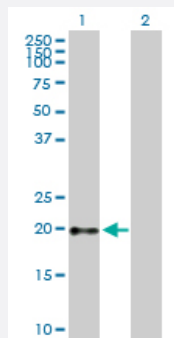
MaxPab®

GH1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002688-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GH1 expression in transfected 293T cell line ([H00002688-T01](#)) by GH1 MaxPab polyclonal antibody.

Lane 1: GH1 transfected lysate(23.87 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GH1 protein.
Immunogen	GH1 (NP_000506, 1 a.a. ~ 217 a.a) full-length human protein.
Sequence	MATGSRTSLLLAFLGLCLPWLQEGSAFPTIPLSRFDNAMLRAHRLHQLAFDTYQEFEEAYPKEQ KYSFLQNPQTSLCFSES IPTSPNREETQQKSNLELLRISLLIQSWLEPVQFLRSVFANSLVYGASD SNVYDLLKDLEEGIQTLMGRLDGSPRTGQIFKQTYSKFDTN SHND DALLKNYGLLYCFRKDMDK VETFLRIVQCRSVEGSCGF
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — GH1

Entrez GeneID [2688](#)

GeneBank Accession# [NM_000515](#)

Protein Accession# [NP_000506](#)

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](#)