10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody

Catalog # ABO14198

Specification

Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IP**
Primary Accession	P01241
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human.

Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 2688

Other Names
Somatotropin, Growth hormone, GH, GH-N, Growth hormone 1, Pituitary growth hormone, GH1

Calculated MW
24847 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
IP 1:20

Subcellular Localization
Secreted.

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human Growth Hormone

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody - Protein Information

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Name GH1

Function
Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.

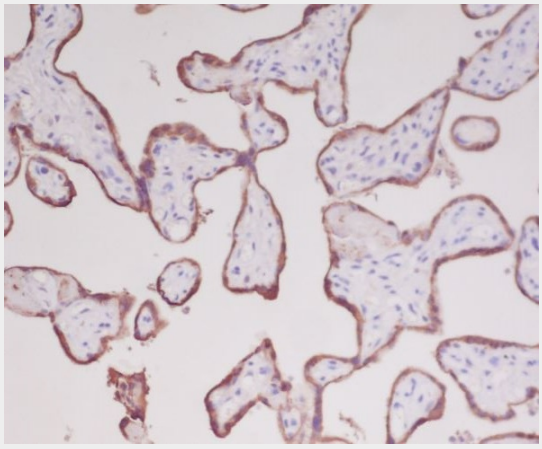
Cellular Location
Secreted

Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Growth Hormone GH1 Rabbit Monoclonal Antibody - Images



Immunohistochemical analysis of paraffin-embedded human placenta, using Growth Hormone Antibody.

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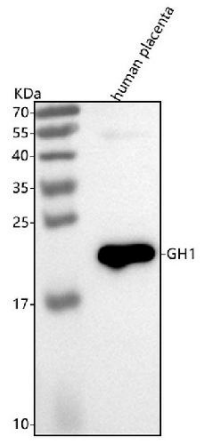

Figure 1. Western blot analysis of GH1 using anti-GH1 antibody (M00851-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human placenta tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GH1 antigen affinity purified monoclonal antibody (Catalog # M00851-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GH1 at approximately 22 kDa. The expected band size for GH1 is at 25 kDa.