

Anti-Growth Hormone/GH1 Antibody
Catalog # ABO12692**Specification**

Anti-Growth Hormone/GH1 Antibody - Product Information

Application	WB
Primary Accession	P01244
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Somatotropin(GH1) detection. Tested with WB, IHC-P, ELISA in Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Growth Hormone/GH1 Antibody - Additional Information

Gene ID 24391

Other Names

Somatotropin, Growth hormone, Gh1, Gh

Calculated MW

24656 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Rat, By Heat
ELISA , 0.1-0.5 µg/ml, Rat, -
Western blot, 0.1-0.5 µg/ml, Rat

Subcellular Localization

Secreted.

Protein Name

Somatotropin

Contents

Each vial contains 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃. Carrier free (No BSA) form available in stock. If you want this antibody carrier free please specify "Carrier Free" or "No BSA" in your order note. "

Immunogen

E. coli-derived rat GH recombinant protein(Position: F27-F216).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Growth Hormone/GH1 Antibody - Protein Information

Name Gh1

Synonyms Gh

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.

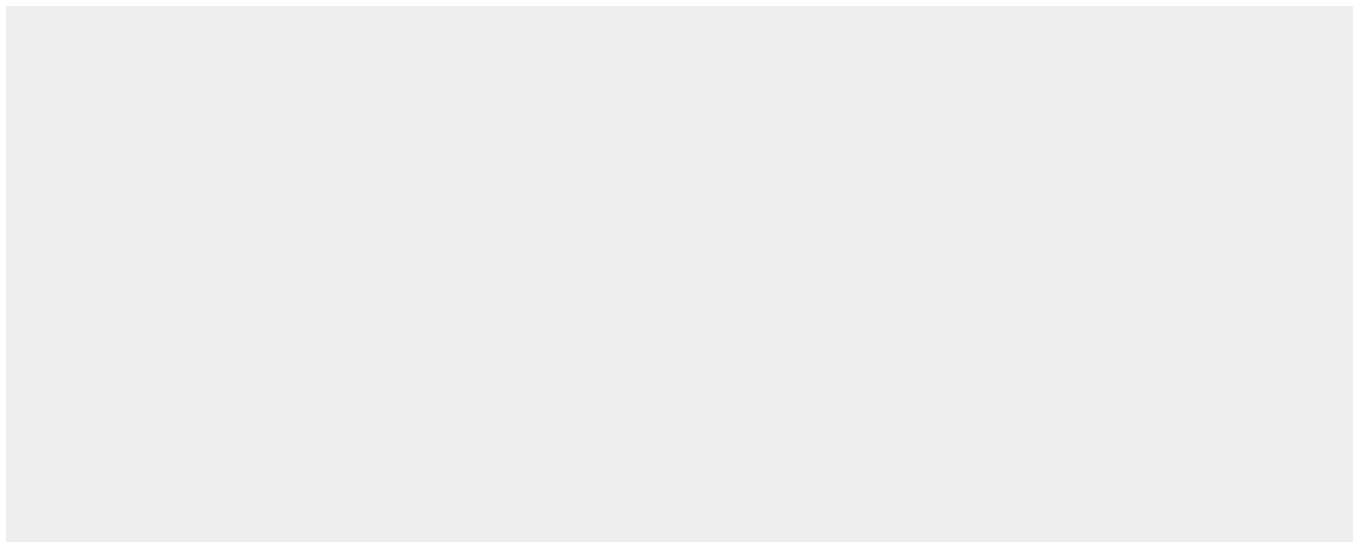
Cellular Location

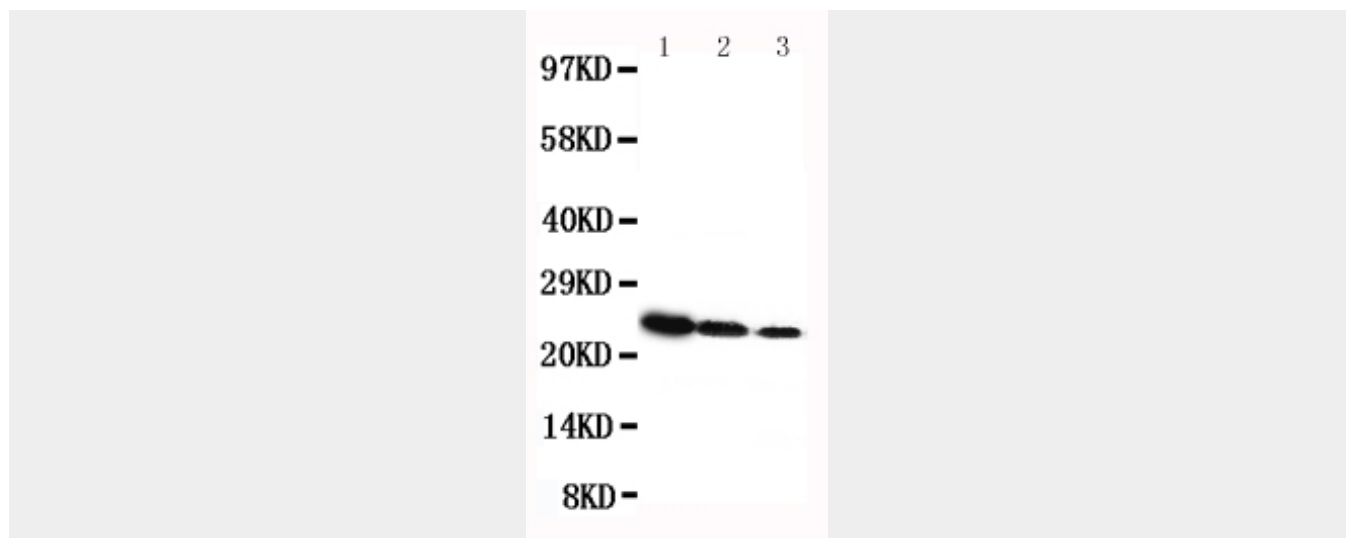
Secreted.

Anti-Growth Hormone/GH1 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 Cytometry](#)
- [Cell Culture](#)

Anti-Growth Hormone/GH1 Antibody - Images



Anti-rat Growth Hormone antibody, ABO12692, Western blotting
Lane 1: Recombinant Rat GH Protein 10ng
Lane 2: Recombinant Rat GH Protein 5ng
Lane 3: Recombinant Rat GH Protein 2

Anti-Growth Hormone/GH1 Antibody - Background

Growth Hormone(GH) is mapped to 17q22-q24. Human growth hormone has a molecular mass of 22,005 and contains 191 amino acid residues with 2 disulfide bridges. Rat GH shares 98% amino acid sequence homology with mouse. It binds two receptor molecules and thereby induces signal transduction through receptor dimerization. At high concentrations, GH acts as an antagonist because of a large difference in affinities at the respective binding sites.