10320 Camino Santa Fe, Suite G
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Anti-Growth Hormone Antibody

Catalog # ABO12708

Specification

Anti-Growth Hormone Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P01241
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

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

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

Anti-Growth Hormone 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
ELISA , 0.1-0.5 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

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 human GH recombinant protein(Position: F27-F217).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, 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.

Sequence Similarities
Belongs to the somatotropin/prolactin family.

Anti-Growth Hormone Antibody - Protein Information

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.

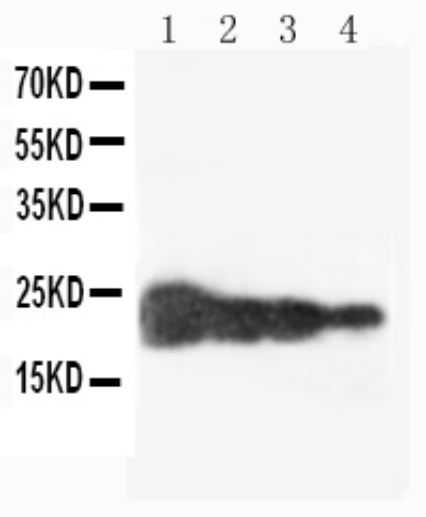
Anti-Growth Hormone Antibody - Protocols

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

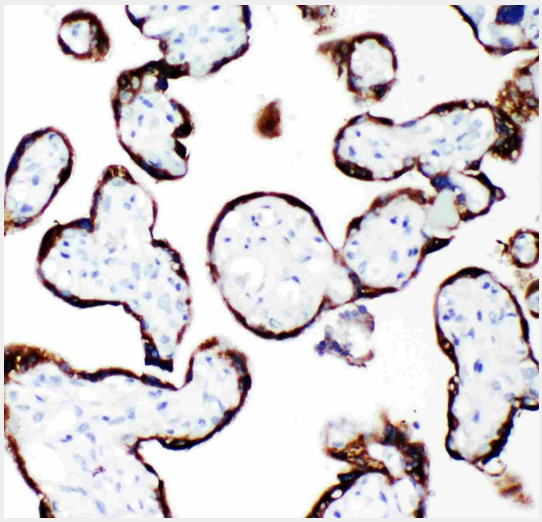
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Growth Hormone Antibody - Images

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Anti-human Growth Hormone antibody, ABO12708, Western blottingLane 1: Recombinant Human GH Protein 10ngLane 2: Recombinant Human GH Protein 5ngLane 3: Recombinant Human GH Protein 2



Anti-human Growth Hormone antibody, ABO12708, IHC(P)IHC(P): Human Placenta Tissue

Anti-Growth Hormone Antibody - Background

Growth Hormone(GH) is mapped to 17q22-q24. Growth hormone(GH) is synthesized by acidophilic or somatotropic cells of the anterior pituitary gland. Human growth hormone has a molecular mass of 22,005 and contains 191 amino acid residues with 2 disulfide bridges. 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.