

For Research Use Only

# GH2 Polyclonal antibody

Catalog Number: 55240-1-AP



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>55240-1-AP   | <b>GenBank Accession Number:</b><br>NM_002059 | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 350 µg/ml by Nanodrop and 120 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>2689                 | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>GH2                      |  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>29 kDa               |  |
|  | <b>Observed MW:</b><br>23-25 kDa              |  |

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** human placenta tissue,

**IHC:** human placenta tissue, human pituitary adenoma tissue

## Background Information

GH2, also named as GH-V, belongs to the somatotropin/prolactin family. It 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. This antibody is specific to GH2.

## Storage

**Storage:**

Store at -20°C.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

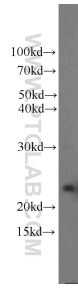
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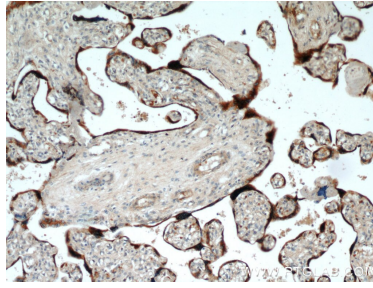
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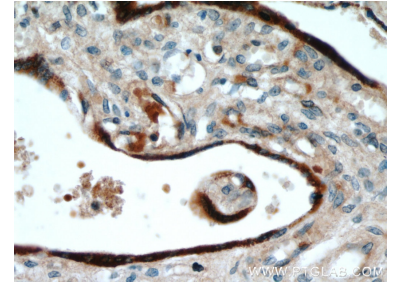
## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 55240-1-AP (GH2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 55240-1-AP (GH2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 55240-1-AP (GH2 antibody) at dilution of 1:50 (under 40x lens).