

For Research Use Only

GH1 Polyclonal ANTIBODY



Catalog Number: 55243-1-AP **1 Publications**

Basic Information

Catalog Number: 55243-1-AP	GenBank Accession Number: NM_000515	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 427 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2688	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: GH1	
Isotype: IgG	Calculated MW: 25 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human placenta tissue, IHC : human pituitary tissue, human pituitary adenoma tissue
Cited Applications: IF	
Species Specificity: human	
Cited Species: rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GH1, also named as GH and GH-N, belongs to the somatotropin/prolactin family. GH1 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 has no cross reaction to CSH1.

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Mao	31666193	Metabolism	IF

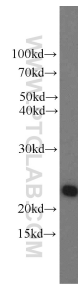
Storage

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

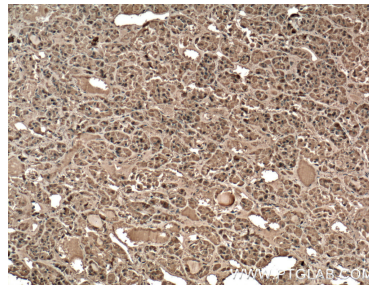
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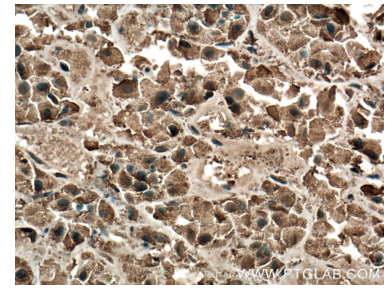
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 55243-1-AP (GH1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pituitary tissue slide using 55243-1-AP (GH1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pituitary tissue slide using 55243-1-AP (GH1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).