

For Research Use Only

# Growth Hormone Recombinant antibody

Catalog Number: 82813-2-RR



## Basic Information

Catalog Number:	82813-2-RR	GenBank Accession Number:	BC075012	Purification Method:	Protein A purification
Concentration:	1000 ug/ml	GeneID (NCBI):	2688	CloneNo.:	4G8
Source:	Rabbit	UNIPROT ID:	P01241	Recommended Dilutions:	WB 1:1000-1:8000 IHC 1:1250-1:5000
Isotype:	IgG	Full Name:	GH1		
Immunogen Catalog Number:	EG0383	Calculated MW:	217 aa, 25 kDa		
		Observed MW:	22 kDa		

## Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	human, rat	WB :	human saliva, human placenta tissue, rat liver tissue
	<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC :	human placenta tissue,

## 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

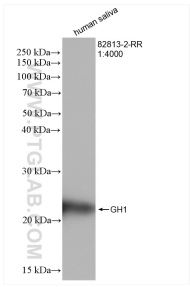
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

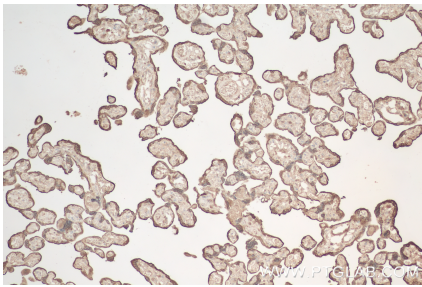
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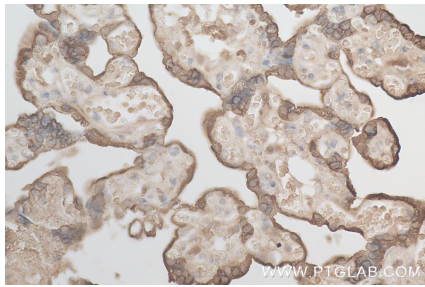
Selected Validation Data



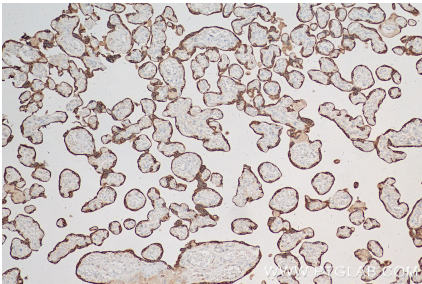
Human placenta tissue was subjected to SDS PAGE followed by western blot with 82813-2-RR (GH1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



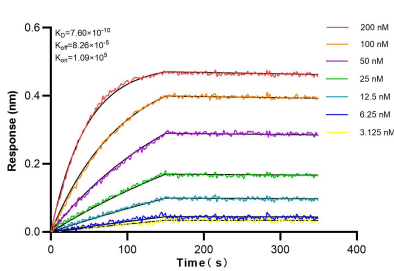
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 82813-2-RR (GH1 antibody) at dilution of 1:2500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 82813-2-RR (GH1 antibody) at dilution of 1:2500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 82813-2-RR (Growth Hormone antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82813-2-RR against Human GH1 were performed. The affinity constant is 0.76 nM.