

For Research Use Only

# Placental lactogen Polyclonal antibody



Catalog Number: 55236-1-AP

## Basic Information

<b>Catalog Number:</b> 55236-1-AP	<b>GenBank Accession Number:</b> NM_001317	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 800 µg/ml	<b>GeneID (NCBI):</b> 1442	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> PODML3	
<b>Isotype:</b> IgG	<b>Full Name:</b> chorionic somatomammotropin hormone 1 (placental lactogen)	
	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 23-25 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human

**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,

## Background Information

CSH1, also named as PL, CSH2 and Lactogen, belongs to the somatotropin/prolactin family. CSH1 produced only during pregnancy and is involved in stimulating lactation, fetal growth and metabolism. It does not interact with GHR but only activates PRLR through zinc-induced dimerization (PubMed: 2744760). This antibody is specific to CSH1.

## 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

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

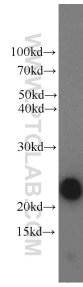
T: 4006900926

E: Proteintech-CN@ptglab.com

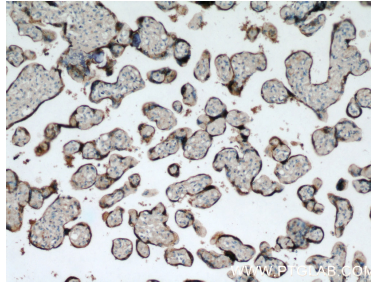
W: ptgcn.com

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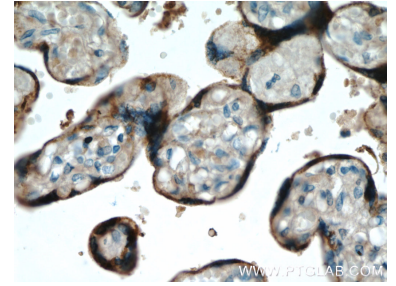
## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 55236-1-AP (Placental lactogen antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 55236-1-AP (Placental lactogen antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 55236-1-AP (Placental lactogen antibody) at dilution of 1:50 (under 40x lens).