

For Research Use Only

# hCG Beta Polyclonal antibody

Catalog Number: 11615-1-AP

Featured Product

15 Publications



## Basic Information

Catalog Number:

11615-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2191

GenBank Accession Number:

BC022796

GeneID (NCBI):

1082

UNIPROT ID:

PODN86

Full Name:

CG beta

Calculated MW:

165 aa, 18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

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:

IHC : human placenta tissue, human breast cancer tissue

## Background Information

Beta-hCG (beta-human chorionic gonadotropin) is a glycoprotein hormone produced by the placenta during pregnancy. It is a critical marker used in both obstetrics and oncology for various diagnostic and monitoring purposes. hCG is composed of two subunits: an alpha subunit (similar to other glycoprotein hormones like LH, FSH, and TSH) and a unique beta subunit ( $\beta$ -hCG). The beta subunit is the primary focus for diagnostic tests due to its specificity.  $\beta$ -hCG is initially secreted by the syncytiotrophoblast cells surrounding the developing embryo and later by the placenta.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fangfang Wang	32949999	EBioMedicine	IF
Mengdi Li	28983820	Biol Trace Elem Res	WB
Zhuo-Hang Li	35536241	Mol Hum Reprod	WB,IF

## 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:

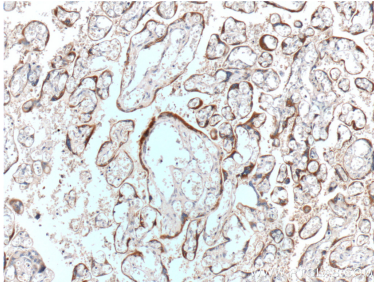
T: 4006900926

E: Proteintech-CN@ptglab.com

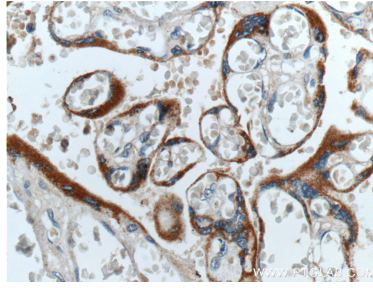
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 11615-1-AP (hCG beta antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 11615-1-AP (hCG beta antibody at dilution of 1:200 (under 40x lens).