

For Research Use Only

hCG Beta Recombinant antibody

Catalog Number: 85800-7-RR



Basic Information

Catalog Number:

85800-7-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

IsoType:

IgG

Immunogen Catalog Number:

EG3378

GenBank Accession Number:

GeneID (NCBI):

1082

UNIPROT ID:

P0DN86

Full Name:

CG beta

Observed MW:

20-25 kDa

Purification Method:

Protein A purification

CloneNo.:

250118E6

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Positive Controls:

WB : JAR cells, human placenta tissue

IHC : human placenta tissue,

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

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 (β-hCG). The beta subunit is the primary focus for diagnostic tests due to its specificity. β-hCG is initially secreted by the syncytiotrophoblast cells surrounding the developing embryo and later by the placenta.

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

*** 20ul sizes contain 0.1% BSA

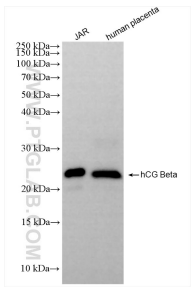
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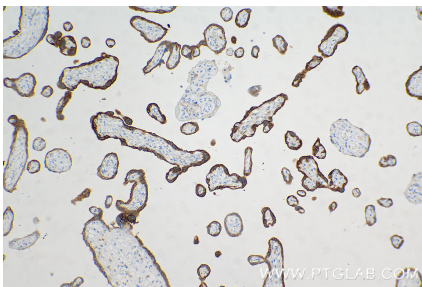
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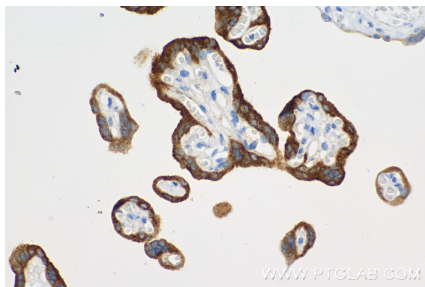
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85800-7-RR (hCG Beta antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85800-7-RR (hCG Beta antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85800-7-RR (hCG Beta antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).