

For Research Use Only

hCG Beta Polyclonal antibody, PBS Only

Catalog Number:33278-1-PBS



Basic Information

Catalog Number:

33278-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38044

GenBank Accession Number:

BC051378

GeneID (NCBI):

93659

UNIPROT ID:

PODN86

Full Name:

chorionic gonadotropin, beta polypeptide 5

Calculated MW:

165 aa, 18 kDa

Observed MW:

19, 21 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

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 -80°C .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

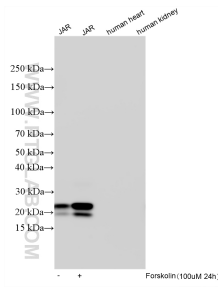
T: 4006900926

E: Proteintech-CN@ptglab.com

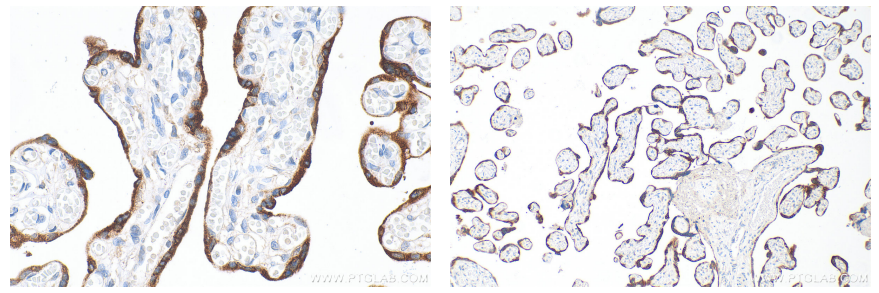
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33278-1-AP (hCG Beta antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. Negative control: human heart tissue, human kidney tissue. This data was developed using the same antibody clone with 33278-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 33278-1-AP (hCG Beta antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33278-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 33278-1-AP (hCG Beta antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33278-1-PBS in a different storage buffer formulation.