

CGB/hCG-Beta Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14603C

Specification

CGB/hCG-Beta Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Antigen Region WB,E <u>A6NKO9</u> <u>PODN87, PODN86, O6NT52</u> Human Rabbit Polyclonal Rabbit IgG 100-130

CGB/hCG-Beta Antibody (Center) - Additional Information

Gene ID 114335

Other Names Choriogonadotropin subunit beta, CG-beta, Chorionic gonadotrophin chain beta, CGB, CGB3

Target/Specificity This CGB/hCG-Beta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-130 amino acids from the Central region of human CGB1

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CGB/hCG-Beta Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CGB/hCG-Beta Antibody (Center) - Protein Information

Name CGB1

Cellular Location Secreted.



Tissue Location

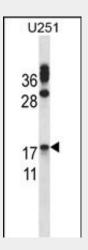
Expressed in placenta, testis and pituitary.

CGB/hCG-Beta Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

CGB/hCG-Beta Antibody (Center) - Images



CGB/HCG-Beta Antibody (Center) (Cat. #AP14603c) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the CGB/HCG-Beta antibody detected the CGB/HCG-Beta protein (arrow).

CGB/hCG-Beta Antibody (Center) - Background

This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene.

CGB/hCG-Beta Antibody (Center) - References

Cole, L.A. Placenta 31(8):653-664(2010) Ra, Y.J., et al. Interact Cardiovasc Thorac Surg 11(1):114-116(2010) Verma, B., et al. J. Immunol. 184(4):2156-2165(2010) Handschuh, K., et al. Placenta 30(12):1016-1022(2009) Reisenbichler, E.S., et al. Breast J 15(5):527-530(2009)