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Choriogonadotropin β (h2): 293T Lysate: sc-170178

BACKGROUND

Choriogonadotropin is a hormone produced by the placenta in the first trimester of pregnancy and exists as a heterodimer formed from a unique β chain and an α chain common to all Gonadotropins. The unique β chain confers biological specificity to choriogonadotropin, luteinizing hormone (LH) and follicle stimulating hormone (FSH). The secreted α subunit maps to human chromosome 6 and the β subunit of Choriogonadotropin maps to human chromosome 19. Choriogonadotropin stimulates the ovaries to produce and maintain normal levels of the steroids essential for maintaining pregnancy, including estrogen and progesterone. Choriogonadotropin is a member of the cystine knot growth-factor superfamily, a group of proteins that contain a distinct arrangement of six cysteine residues and are expressed in placenta. The proper secretion and dimerization of Choriogonadotropin depends on the conformation of the cystine knot, although bio-logical activity is independent of this conformation.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: CGB (human) mapping to 19q13.33.

PRODUCT

Choriogonadotropin β (h2): 293T Lysate represents a lysate of human Choriogonadotropin β transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

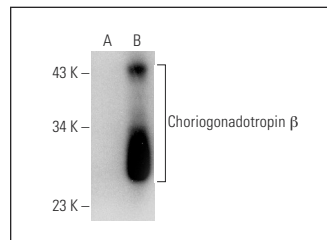
APPLICATIONS

Choriogonadotropin β (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Choriogonadotropin β antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Choriogonadotropin β (HCG-60): sc-51605 is recommended as a positive control antibody for Western Blot analysis of enhanced human Choriogonadotropin β expression in Choriogonadotropin β transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



Choriogonadotropin β (HCG-60): sc-51605. Western blot analysis of Choriogonadotropin β expression in non-transfected: sc-117752 (A) and human Choriogonadotropin β transfected: sc-170178 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.