

Product Name: Choriogonadotropin β Rabbit Polyclonal Antibody
Catalog #: APRab08777

Summary

Production Name	Choriogonadotropin β Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC, WB, ELISA
Reactivity	Human, Rat, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CGB
Alternative Names	CGB; CGB3; CGB5; CGB7; CGB8; Choriogonadotropin subunit beta; CG-beta; Chorionic gonadotrophin chain beta
Gene ID	1082/93659/94027/94115
SwissProt ID	P01233. The antiserum was produced against synthesized peptide derived from human hCG beta. AA range: 101-150

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000..
Molecular Weight	20kD

Product Name: Choriogonadotropin β Rabbit Polyclonal Antibody
Catalog #: APRab08777

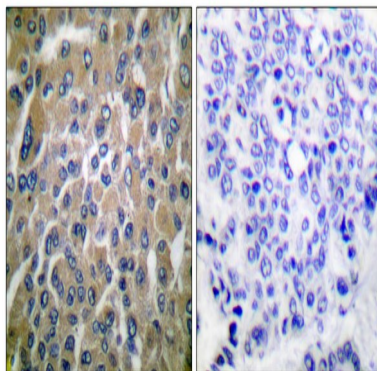


Background

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. [provided by RefSeq, Jul 2008],developmental stage:Made by the first trimester placenta.,function:Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.,online information:Chorionic gonadotropin entry,pharmaceutical:Available under the names Novarel (Ferring) and Profasi (Serono). Used as adjunctive therapy in the treatment of obesity. There is no substantial evidence that it increases weight loss beyond that resulting from caloric restriction, that it causes a more attractive or 'normal' distribution of fat, or that it decreases the hunger and discomfort associated with calorie-restricted diets.,similarity:Belongs to the glycoprotein hormones subunit beta family.,subunit:Heterodimer of a common alpha chain and a unique beta chain which confers biological specificity to thyrotropin, lutropin, follitropin and gonadotropin.,tissue specificity:Placenta.,

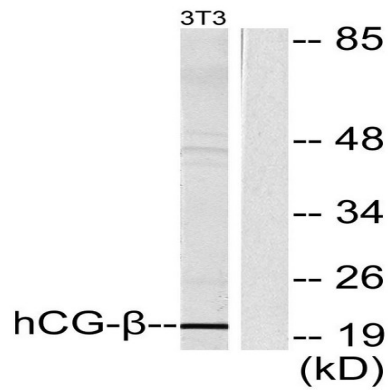
Research Area

Image Data

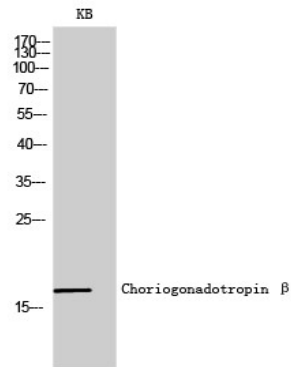


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using hCG beta Antibody. The picture on the right is blocked with the synthesized peptide.

Product Name: Choriogonadotropin β Rabbit Polyclonal Antibody
Catalog #: APRab08777



Western blot analysis of lysates from NIH/3T3 cells, using hCG beta Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of KB cells using Choriogonadotropin β Polyclonal Antibody diluted at 1 : 2000

Note

For research use only.