



Choriogonadotropin β Polyclonal Antibody

Catalog No	YP-Ab-15887
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	CGB
Immunogen	The antiserum was produced against synthesized peptide derived from human hCG beta. AA range:101-150
Specificity	Choriogonadotropin β Polyclonal Antibody detects endogenous levels of Choriogonadotropin β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Choriogonadotropin β ;CGB;Choriogonadotropin subunit beta;CGB3;CGB5;CGB7;CGB8;CG-beta;Chorionic gonadotrophin chain beta
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	extracellular region,
Tissue Specificity	Brain,Placenta,
Function	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.,

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],

matters needing attention

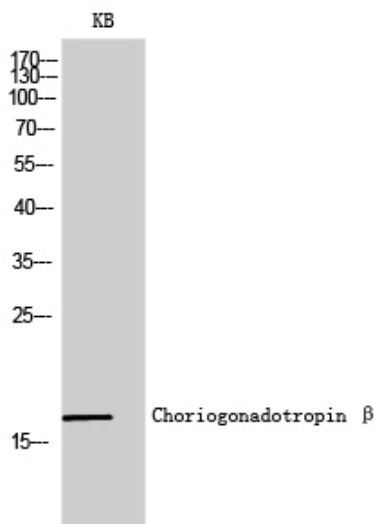
Avoid repeated freezing and thawing!

Usage suggestions

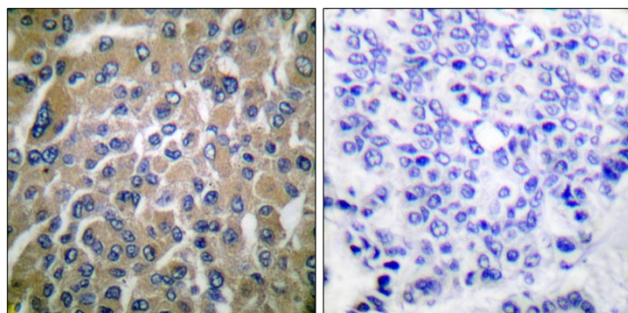
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



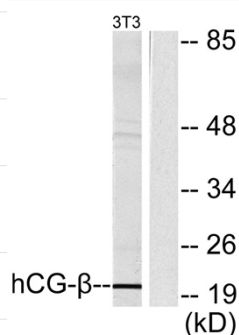
Products Images



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



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



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