

## Choriogonadotropin Beta Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP01778
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human hCG beta. AA range:101-150
<b>Mol wt</b>	17739
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Choriogonadotropin beta Antibody
<b>Synonyms</b>	CGB; CGB3; CGB5; CGB7; CGB8; Choriogonadotropin subunit beta; CG-beta; Chorionic gonadotrophin chain beta

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

CGB3 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. and contiguous with the luteinizing hormone beta subunit gene.

### Recommended Dilution

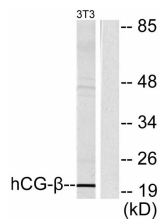
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

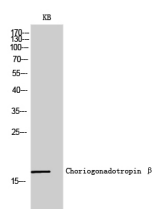
ELISA: 1: 10000

Not yet tested in other applications.

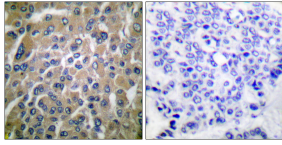
### Images



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  $\beta$  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.

### Storage

-20°C for one year

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