10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CG beta 2/3/7 Recombinant Rabbit mAb

Catalog # AP100057

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P0DN86
Other Accession	P0DN86
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	17739
Physical State	Liquid
Immunogen	A synthesized peptide derived from human CG beta 3
Epitope Specificity	21-165
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the glycoprotein hormones subunit alpha family.
SUBUNIT	Heterodimer of a common alpha chain and a unique beta chain which confers biological specificity to thyrotropin, lutropin, follitropin and gonadotropin.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Beta subunit of the human chorionic gonadotropin (hCG). hCG is a complex glycoprotein composed of two glycosylated subunits alpha and beta which are non-covalently associated. The alpha subunit is identical to those in the pituitary gonadotropin hormones (LH, FSH and TSH). The beta subunits are distinct in each of the hormones and confer receptor and biological specificity.

Additional Information

Gene ID	1082;93659;94115
Other Names	CGB; CGB5; CGB7; CGB8; LHB; hCGB; CGB3_HUMAN; CGB3; Choriogonadotropin subunit beta (CG-beta); Chorionic gonadotropin chain beta; chorionic gonadotropin subunit beta 3; chorionic gonadotropin, beta polypeptide; chorionic gonadotropin beta subunit 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CGB3
Synonyms	CGB
Function	Beta subunit of the human chorionic gonadotropin (hCG). hCG is a complex glycoprotein composed of two glycosylated subunits alpha and beta which are non-covalently associated. The alpha subunit is identical to those in the pituitary gonadotropin hormones (LH, FSH and TSH). The beta subunits are distinct in each of the hormones and confer receptor and biological specificity. Has an essential role in pregnancy and maternal adaptation. Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.
Cellular Location	Secreted.
Tissue Location	High expression in the placenta throughout pregnancy.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.