

**CGB5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9045c****Specification**

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**CGB5 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P01233](#)**CGB5 Antibody (Center) Blocking Peptide - Additional Information****Other Names**

Choriogonadotropin subunit beta, CG-beta, Chorionic gonadotrophin chain beta, CGB, CGB3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9045c](/products/AP9045c) was selected from the Center region of human CGB5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CGB5 Antibody (Center) Blocking Peptide - Protein Information****CGB5 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**CGB5 Antibody (Center) Blocking Peptide - Images****CGB5 Antibody (Center) Blocking Peptide - Background**

CGB5 is a member of the glycoprotein hormone beta chain family and encodes the beta 5 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

lutinizing hormone beta subunit gene.

### **CGB5 Antibody (Center) Blocking Peptide - References**

Linskens, I.H., et.al., Prenat. Diagn. 29 (1), 74-78 (2009) Chen, Y., et.al., Cancer Res. 68 (23), 9729-9734 (2008)