

**Phospho-CCNB3(T280) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP3841a****Specification****Phospho-CCNB3(T280) Blocking Peptide - Product Information**

Primary Accession [Q8WWL7](#)  
Other Accession [NP\\_149020.2](#)

**Phospho-CCNB3(T280) Blocking Peptide - Additional Information**

**Gene ID** 85417

**Other Names**

G2/mitotic-specific cyclin-B3, CCNB3, CYCB3

**Target/Specificity**

The synthetic peptide sequence is selected from aa 273-287 of HUMAN CCNB3

**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.

**Phospho-CCNB3(T280) Blocking Peptide - Protein Information**

**Name** CCNB3

**Synonyms** CYCB3

**Function**

Cyclins are positive regulatory subunits of the cyclin- dependent kinases (CDKs), and thereby play an essential role in the control

**Phospho-CCNB3(T280) Blocking Peptide - Background**

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Studies of similar genes in chick and Drosophila suggest that this cyclin may associate with CDC2 and CDK2 kinases, and be required for proper spindle reorganization and restoration of the interphase nucleus. Two transcript variants encoding different isoforms have been found for this gene.

**Phospho-CCNB3(T280) Blocking Peptide - References**

Cheng, J., et al. Science 308(5725):1149-1154(2005)  
Nguyen, T.B., et al. J. Biol. Chem. 277(44):41960-41969(2002)  
Hrimech, M., et al. EMBO J. 21 (14), 3918 (2002) :  
Lozano, J.C., et al. Biochem. Biophys. Res. Commun. 291(2):406-413(2002)  
Mouland, A.J., et al. Virology 292(2):321-330(2002)

of the cell cycle, notably via their destruction during cell division. Its tissue specificity suggest that it may be required during early meiotic prophase I.

**Cellular Location**

Nucleus.

**Tissue Location**

Testis specific. In testis, it is expressed in developing germ cells, but not in Leydig cells. Weakly or not expressed in other tissues.

**Phospho-CCNB3(T280) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)