

**Phospho-CCNB2(S22) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP3838a****Specification**

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**Phospho-CCNB2(S22) Blocking Peptide - Product Information**

Primary Accession [O95067](#)  
Other Accession [NP\\_004692.1](#)

**Phospho-CCNB2(S22) Blocking Peptide - Additional Information**

**Gene ID** 9133

**Other Names**

G2/mitotic-specific cyclin-B2, CCNB2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 15-29 of HUMAN CCNB2

**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-CCNB2(S22) Blocking Peptide - Protein Information**

**Name** CCNB2

**Function**

Essential for the control of the cell cycle at the G2/M (mitosis) transition.

**Phospho-CCNB2(S22) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-CCNB2(S22) Blocking Peptide - Images****Phospho-CCNB2(S22) Blocking Peptide - Background**

Cyclin B2 is a member of the cyclin family, specifically

the B-type cyclins. The B-type cyclins, B1 and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control.

#### **Phospho-CCNB2(S22) Blocking Peptide - References**

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Haraguchi, T., et al. Fertil. Steril. 91 (4 SUPPL), 1424-1426 (2009) :  
De Martino, I., et al. Cancer Res. 69(5):1844-1850(2009)  
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