

Phospho-CCNB2(S10) Blocking Peptide
Synthetic peptide
Catalog # BP3837a**Specification****Phospho-CCNB2(S10) Blocking Peptide - Product Information**

Primary Accession [Q95067](#)
Other Accession [Q4R7A8](#),
[NP_004692.1](#)

Phospho-CCNB2(S10) 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 4-17 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(S10) Blocking Peptide - Protein Information

Name CCNB2

Function

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

Phospho-CCNB2(S10) 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(S10) Blocking Peptide - References

Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)
Haraguchi, T., et al. Fertil. Steril. 91 (4 SUPPL), 1424-1426 (2009) :
De Martino, I., et al. Cancer Res. 69(5):1844-1850(2009)
Bellanger, S., et al. Oncogene 26(51):7175-7184(2007)
Stav, D., et al. Int. J. Biol. Markers 22(2):108-113(2007)

**Phospho-CCNB2(S10) Blocking Peptide -
Protocols**

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

- [Blocking Peptides](#)