

Mouse CCNB2 Blocking Peptide (C-term T359)

Synthetic peptide Catalog # BP20012b

Specification

Mouse CCNB2 Blocking Peptide (C-term T359) - Product Information

Primary Accession P30276
Other Accession NP 031656.2

Mouse CCNB2 Blocking Peptide (C-term T359) - Additional Information

Gene ID 12442

Other Names

G2/mitotic-specific cyclin-B2, Ccnb2, Cycb2

Target/Specificity

The synthetic peptide sequence is selected from aa 353-366 of MOUSE 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.

Mouse CCNB2 Blocking Peptide (C-term T359) - Protein Information

Name Ccnb2

Synonyms Cycb2

Function

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

Mouse CCNB2 Blocking Peptide (C-term T359) - 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

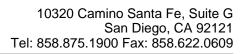
transforming growth factor beta RII and thus cyclin B2/cdc2 may

play a key role in transforming growth factor beta-mediated cell cycle control.

Mouse CCNB2 Blocking Peptide (C-term T359) - References

Risley, M.D., et al. Dev. Biol. 342(2):146-156(2010) Wu, T., et al. J. Biol. Chem. 285(24):18291-18300(2010) De Martino, I., et al. Cancer Res. 69(5):1844-1850(2009) Kawaguchi, A., et al. Development 135(18):3113-3124(2008) Fogel, J.L., et al. Dev. Dyn.

237(5):1359-1372(2008)





Mouse CCNB2 Blocking Peptide (C-term T359) - Protocols

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

• Blocking Peptides