

NDC80 Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP22066b**Specification**

NDC80 Blocking Peptide (C-Term) - Product Information

Primary Accession [O14777](#)
Other Accession [Q4R630](#)

NDC80 Blocking Peptide (C-Term) - Additional Information

Gene ID 10403

Other Names

Kinetochore protein NDC80 homolog, Highly expressed in cancer protein, Kinetochore protein Hec1, HsHec1, Kinetochore-associated protein 2, Retinoblastoma-associated protein HEC, NDC80, HEC, HEC1, KNTC2

Target/Specificity

The synthetic peptide sequence is selected from aa 528-539 of HUMAN NDC80

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.

NDC80 Blocking Peptide (C-Term) - Protein Information

Name NDC80

Synonyms HEC, HEC1, KNTC2

Function

Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity (PubMed:9315664, PubMed:12351790, PubMed:14654001, PubMed:14699129, PubMed:15062103, PubMed:15235793, PubMed:15239953, PubMed:15548592, PubMed:16732327, PubMed:30409912). Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore (PubMed:15548592, PubMed:30409912). The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules (PubMed:23085020). Plays a role in chromosome congression and is essential for the end-on attachment of the kinetochores to spindle microtubules (PubMed:25743205, PubMed:23891108).

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to kinetochores from late prophase to anaphase (PubMed:14699129) Localizes specifically to the outer plate of the kinetochore (PubMed:14699129).

NDC80 Blocking Peptide (C-Term) - Protocols

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

- [Blocking Peptides](#)

NDC80 Blocking Peptide (C-Term) - Images

NDC80 Blocking Peptide (C-Term) - Background

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NDC80 Blocking Peptide (C-Term) - References

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Chen Y.,et al.J. Biol. Chem. 277:49408-49416(2002).