

CENPC1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10142c

Specification

CENPC1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O03188](#)
Other Accession [NP_001803.2](#)

CENPC1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 1060

Other Names

Centromere protein C, CENP-C, Centromere autoantigen C, Centromere protein C 1, CENP-C 1, Interphase centromere complex protein 7, CENPC, CENPC1, ICEN7

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.

CENPC1 Antibody (Center) Blocking peptide - Protein Information

Name CENPC

Synonyms CENPC1, ICEN7

Function

Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. CENPC recruits DNA methylation and DNMT3B to both centromeric and pericentromeric satellite repeats and regulates the histone code in these regions.

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Chromosome, centromere. Note=Localizes exclusively in the kinetochore domain of centromeres.

CENPC1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CENPC1 Antibody (Center) Blocking peptide - Images

CENPC1 Antibody (Center) Blocking peptide - Background

Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12. [provided by RefSeq].

CENPC1 Antibody (Center) Blocking peptide - References

Gopalakrishnan, S., et al. Hum. Mol. Genet. 18(17):3178-3193(2009)Yosifova, A., et al. J Affect Disord 117 (1-2), 87-97 (2009) :Baranzini, S.E., et al. Hum. Mol. Genet. 18(4):767-778(2009)Trazzi, S., et al. PLoS ONE 4 (6), E5832 (2009) :Seshadri, S., et al. BMC Med. Genet. 8 SUPPL 1, S15 (2007) :