

CENPN Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP4913b**Specification**

CENPN Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96H22](#)**CENPN Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 55839**Other Names**

Centromere protein N, CENP-N, Interphase centromere complex protein 32, CENPN, C16orf60, ICEN32

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.

CENPN Antibody (C-term) Blocking Peptide - Protein Information**Name** CENPN**Synonyms** C16orf60, ICEN32**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. CENPN is the first protein to bind specifically to CENPA nucleosomes and the direct binding of CENPA nucleosomes by CENPN is required for centromere assembly. Required for chromosome congression and efficiently align the chromosomes on a metaphase plate.

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Note=Localizes exclusively in the kinetochore domain of centromeres Kinetochore-bound levels decrease when cells enter mitosis and increase again when cells exit mitosis

CENPN Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CENPN Antibody (C-term) Blocking Peptide - Images

CENPN Antibody (C-term) Blocking Peptide - Background

The centromere is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA (MIM 117139) replaces histone H3 (see MIM 601128). CENPN is an additional factor required for centromere assembly.

CENPN Antibody (C-term) Blocking Peptide - References

Carroll, C.W., et al. Nat. Cell Biol. 11(7):896-902(2009)Olsen, J.V., et al. Cell 127(3):635-648(2006)Izuta, H., et al. Genes Cells 11(6):673-684(2006)