

CENPK Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9316b**Specification**

CENPK Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BS16](#)**CENPK Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 64105**Other Names**

Centromere protein K, CENP-K, Interphase centromere complex protein 37, Protein AF-5alpha, p33, CENPK, ICEN37

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.

CENPK Antibody (C-term) Blocking Peptide - Protein Information**Name** CENPK**Synonyms** ICEN37**Function**

Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Acts in coordination with KNL1 to recruit the NDC80 complex to the outer kinetochore.

Cellular Location

Nucleus. Chromosome, centromere. Chromosome, centromere, kinetochore. Note=Localizes exclusively in the centromeres The CENPA-CAD complex is probably recruited on centromeres by the CENPA-NAC complex

Tissue Location

Detected in several fetal organs with highest levels in fetal liver. In adults, it is weakly expressed in lung and placenta.

CENPK Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CENPK Antibody (C-term) Blocking Peptide - Images

CENPK Antibody (C-term) Blocking Peptide - Background

CENPK is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression.

CENPK Antibody (C-term) Blocking Peptide - References

Cheeseman, I.M., et.al., Mol. Biol. Cell 19 (2), 587-594 (2008) Izuta, H., et.al., Genes Cells 11 (6), 673-684 (2006) Okada, M., et.al., Nat. Cell Biol. 8 (5), 446-457 (2006)