

CENPK Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9316b**Specification****CENPK Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [O9BS16](#)**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

**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)

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](#)