



CENPK Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP9316b

Specification

CENPK Antibody (C-term) Blocking Peptide - Product Information

Primary 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

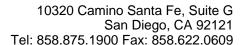
Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its

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