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CENPH Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9212c

Specification

CENPH Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9H3R5

CENPH Antibody (Center) Blocking Peptide - Additional Information

Gene ID 64946

Other Names
Centromere protein H, CENP-H, Interphase centromere complex protein 35, CENPH (HGNC:17268), ICEN35

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9212c was selected from the Center region of human CENPH. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CENPH Antibody (Center) Blocking Peptide - Protein Information

Name CENPH (HGNC:17268)

Synonyms ICEN35

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. Required for chromosome congression and efficiently align the chromosomes on a metaphase plate.

Cellular Location
Nucleus. Chromosome, centromere, kinetochore. Note=Associates with active

centromere-kinetochore complexes throughout the cell cycle. Colocalizes with inner kinetochore plate proteins CENPA and CENPC during both interphase and metaphase

CENPH Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

CENPH Antibody (Center) Blocking Peptide - Images

CENPH Antibody (Center) Blocking Peptide - Background

Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. The protein encoded by this gene colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex.