10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CENPH Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9212c

Specification

CENPH Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9H3R5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28481**
Antigen Region	**136-162**

CENPH Antibody (Center) - Additional Information

Gene ID 64946

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

Target/Specificity
This CENPH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-162 amino acids from the Central region of human CENPH.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CENPH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CENPH Antibody (Center) - 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.

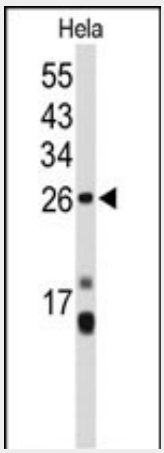
Cellular Location
Nucleus. Chromosome, centromere, kinetochore. Note=Associates with active centromere-kinetochore complexes throughout the cell cycle. Colocalizes with inner kinetochore plate proteins CENPA and CENPC during both interphase and metaphase

CENPH Antibody (Center) - Protocols

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

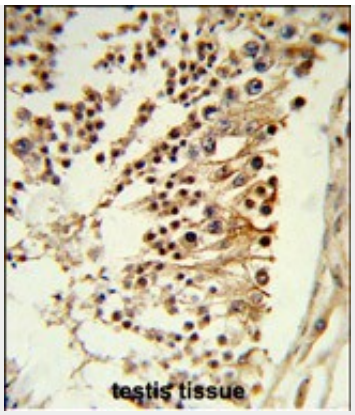
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CENPH Antibody (Center) - Images

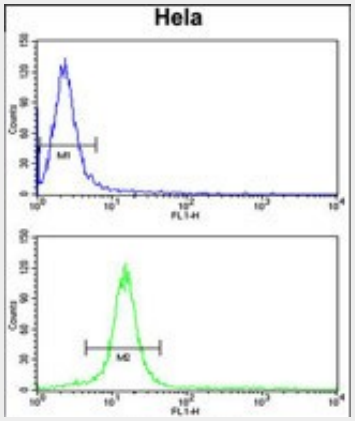


Western blot analysis of CENPH Antibody (Center) (Cat. #AP9212c) in Hela cell line lysates (35ug/lane). CENPH (arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human testis tissue reacted with CENPH Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



CENPH Antibody (Center) (Cat.#AP9212c) flow cytometry analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CENPH Antibody (Center) - 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.