

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

---

**CENPH Antibody (Center) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">Q9H3R5</a>
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 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=17268" target="\_blank">HGNC:17268</a>), 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**

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

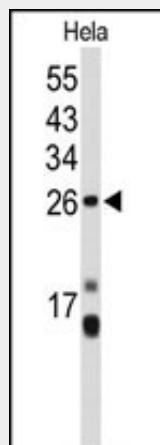
Nucleus. Chromosome, centromere, kinetochore. Note=Associates with active centromere-kinetochore complexes throughout the cell cycle. Colocalizes with inner kinetochore plate proteins CENPA and CENPC during both interphase and metaphase

**CENPH Antibody (Center) - Protocols**

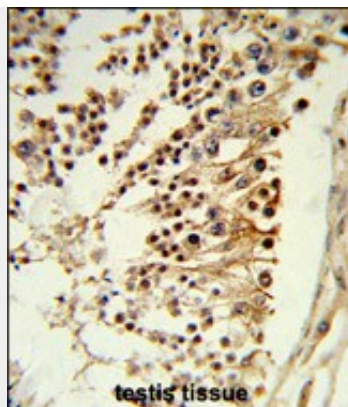
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

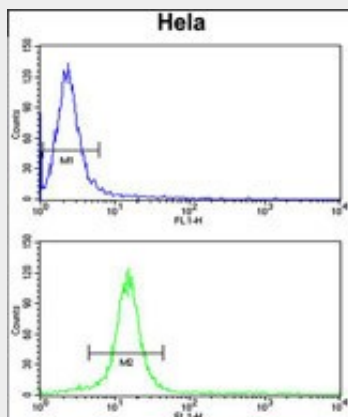
**CENPH Antibody (Center) - Images**



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



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.