

CENPH Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58458

Specification

CENPH Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession <u>Q9H3R5</u>

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Dog, Bovine
Rabbit
Polyclonal
28 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human CENPH

Epitope Specificity 41-140/247

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus. Chromosome, centromere,

kinetochore. Note=Associates with active

centromere-kinetochore complexes

throughout the cell cycle. Colocalizes with inner kinetochore plate proteins CENPA and CENPC1 during both interphase and

metaphase.

SIMILARITY Belongs to the centromere protein H

family.

SUBUNIT Self-associates. Component of the

CENPA-NAC complex, at least composed of CENPA, CENPC, CENPH, CENPM, CENPN, CENPT and MLF1IP/CENPU. The CENPA-NAC complex interacts with the CENPA-CAD complex, composed of CENPI, CENPK, CENPL, CENPO, CENPP, CENPQ, CENPR and CENPS. Interacts directly with CENPK. Interacts with KIF2C and NDC80. Interacts

with TRIM36

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

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.

CENPH Polyclonal Antibody - Additional Information

Gene ID 64946

Other Names

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

Dilution

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<span class ="dilution_WB">WB~~1:1000</span><br \><span class
="dilution_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution_IF">IF~~1:50~200</span><br \><span class ="dilution_E">E~~N/A</span>
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Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CENPH Polyclonal Antibody - 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 Polyclonal Antibody - Protocols

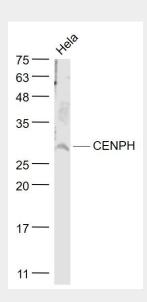
Provided below are standard protocols that you may find useful for product applications.

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



• Cell Culture

CENPH Polyclonal Antibody - Images



Sample:

Hela(Human) Cell Lysate at 30 ug

Primary: Anti- CENPH (bs-6519R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 28 kD Observed band size: 28 kD