

CENPC1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56038

Specification

CENPC1 Polyclonal Antibody - Product Information

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

Primary Accession

Reactivity

Host

Clonality

Calculated MW

Q03188

Rat, Dog

Rabbit

Polyclonal

107 KDa

Physical State
Liquid
Immunogen
KLH conjugated synthetic peptide derived

from human CENPC1

Epitope Specificity 701-800/943

Isotype IgG
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=Localizes exclusively in the kinetochore domain of centromeres.

SIMILARITY Belongs to the CENPC family.

SUBUNIT Oligomer. 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.

Binds to DAXX. Interacts directly with

CENPA.

Important Note

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

therapeutic or diagnostic applications.

Background Descriptions

Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12.

CENPC1 Polyclonal Antibody - Additional Information

Gene ID 1060

Other Names

Centromere protein C, CENP-C, Centromere autoantigen C, Centromere protein C 1, CENP-C 1,



Interphase centromere complex protein 7, CENPC, CENPC1, ICEN7

Dilution

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

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

CENPC1 Polyclonal Antibody - Protein Information

Name CENPC

Synonyms CENPC1, ICEN7

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. CENPC recruits DNA methylation and DNMT3B to both centromeric and pericentromeric satellite repeats and regulates the histone code in these regions.

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Chromosome, centromere. Note=Localizes exclusively in the kinetochore domain of centromeres.

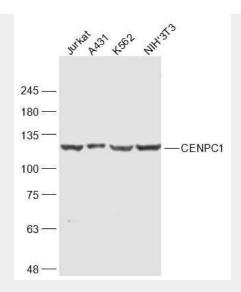
CENPC1 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CENPC1 Polyclonal Antibody - Images





Sample:

Jurkat(Human) Cell Lysate at 30 ug A431(Human) Cell Lysate at 30 ug K562(Human) Cell Lysate at 30 ug NIH/3T3(Mouse) Cell Lysate at 30 ug

Primary: Anti-CENPC1 (bs-15555R) at 1/1000 dilution

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

Predicted band size: 107 kD Observed band size: 120 kD