




Product datasheet

Anti-CENPT antibody ab86595

[1 References](#) [2 Images](#)

Overview

Product name	Anti-CENPT antibody
Description	Rabbit polyclonal to CENPT
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant 
Immunogen	Synthetic peptide corresponding to a region within amino acids 480 - 520 (LEMVEKCLDK YFQHLCDLLE VFAAHAGRKT VKPEDLELLM) of Human CENPT (NP_079358.3) Run BLAST with  Run BLAST with 
Positive control	Whole cell lysate from HeLa cells or 293T cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab86595 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 60 kDa.
IP		Use at 10 µg/mg of lysate.

Target

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. CENP-T is one of the basic inner kinetochore proteins with most further proteins binding downstream, suggesting a fundamental role of CENP-T in kinetochore function.

Sequence similarities

Belongs to the CENPT family.

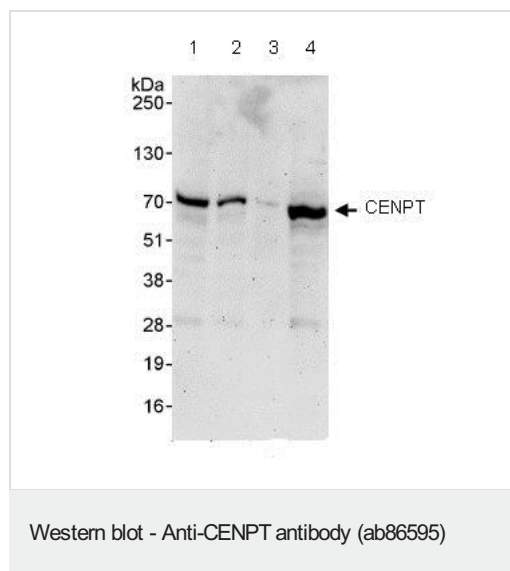
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus. Chromosome > centromere > kinetochore. Localizes exclusively in the kinetochore domain of centromeres.

Images



All lanes : Anti-CENPT antibody (ab86595) at 0.1 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

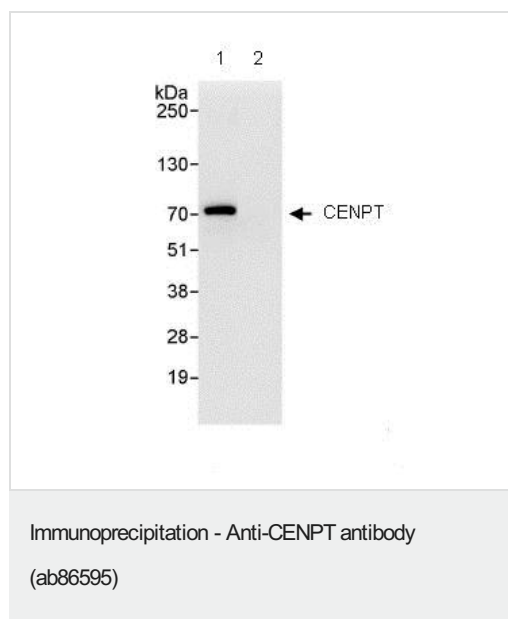
Lane 2 : Whole cell lysate from HeLa cells at 15 µg

Lane 3 : Whole cell lysate from HeLa cells at 5 µg

Lane 4 : Whole cell lysate from 293T cells at 50 µg

Predicted band size: 60 kDa

Exposure time: 3 minutes



1mg whole cell lysate from Hela cells was immunoprecipitated using 10ug **ab86594**.

20% of IP was loaded per lane, and probed with **ab86549** at 1ug/ml (lane 1) or with a control IgG (lane 2).

Detection: hemiluminescence with an exposure time of 30 seconds.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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