


## Product datasheet

### Anti-CINP antibody [EPR14445] - N-terminal ab183519

Recombinant RabMAb

[2 References](#) [4 Images](#)

#### Overview

<b>Product name</b>	Anti-CINP antibody [EPR14445] - N-terminal
<b>Description</b>	Rabbit monoclonal [EPR14445] to CINP - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	293, Jurkat, and HeLa lysate. HeLa cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14445
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183519 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		1/1000. Detects a band of approximately 30 kDa (predicted molecular weight: 24 kDa).
ICC/IF		1/100.
IP		1/30 - 1/50.

## Target

### Function

Interacts with the components of the replication complex and 2 kinases, CDK2 and CDC7, thereby providing a functional and physical link between CDK2 and CDC7 during firing of the origins of replication. Regulates ATR-mediated checkpoint signaling.

### Sequence similarities

Belongs to the CINP family.

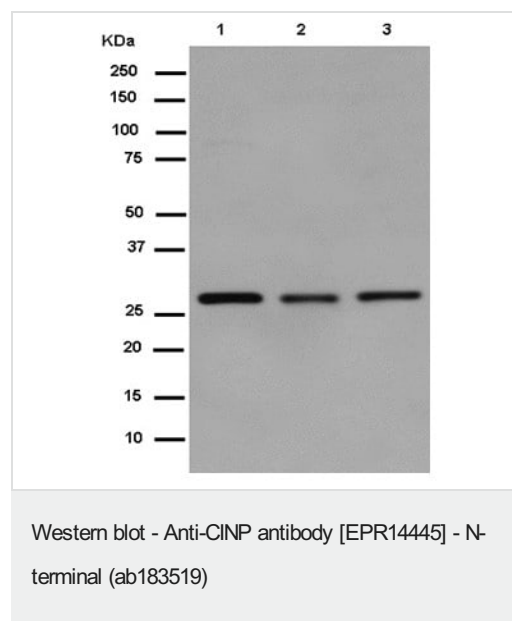
### Post-translational modifications

Phosphorylated by CDC7 but not by CDK2.

### Cellular localization

Nucleus. Binds to nuclear under G1 conditions, and dissociates from chromatin with the start of DNA replication.

## Images



**All lanes :** Anti-CINP antibody [EPR14445] - N-terminal (ab183519) at 1/1000 dilution

**Lane 1 :** 293 cell lysate

**Lane 2 :** Jurkat cell lysate

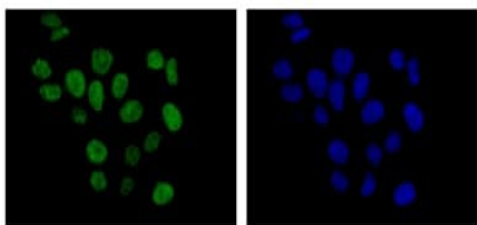
**Lane 3 :** HeLa cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

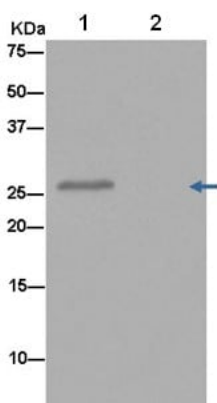
**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 24 kDa



Immunocytochemistry/ Immunofluorescence - Anti-CINP antibody [EPR14445] - N-terminal (ab183519)

Immunofluorescent analysis of 20°C Acetone fixed HeLa cells labeling CINP with ab183519 at 1/100 dilution (green). Secondary antibody: Goat anti rabbit IgG (Alexa Fluor® 488) at 1/200 dilution. Right panel is counterstained with Dapi (blue).



Immunoprecipitation - Anti-CINP antibody [EPR14445] - N-terminal (ab183519)

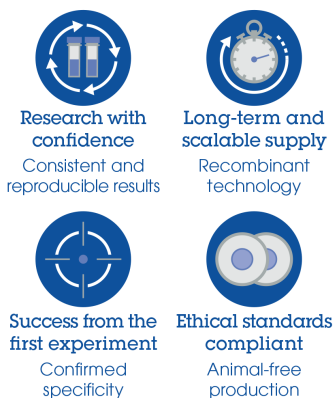
Western blot analysis of CINP in immunoprecipitation pellets from 293 lysate.

Lane 1: **ab183159** used at a 1/50 dilution.

Lane 2: TBS negative control.

Secondary antibody: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500.

### Why choose a recombinant antibody?



Anti-CINP antibody [EPR14445] - N-terminal (ab183519)

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors