

# Anti-Pericentrin antibody ab99341

[3 Images](#)

### Overview

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<b>Product name</b>	Anti-Pericentrin antibody
<b>Description</b>	Rabbit polyclonal to Pericentrin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within amino acids 175-225 of Human Pericentrin (NP_006022.3).
<b>Positive control</b>	HeLa whole cell lysate
<b>General notes</b>	<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&amp;As</p>

### Properties

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

### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab99341 in the following tested applications.

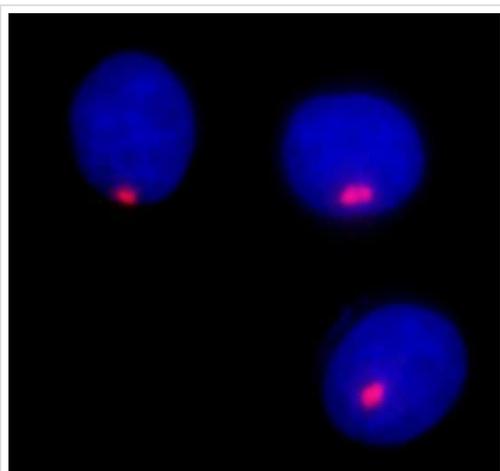
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 378 kDa.
IP		Use at 2-5 µg/mg of lysate.
ICC		1/1000 - 1/5000. Formaldehyde or Acetone fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehydefixed cells.

## Target

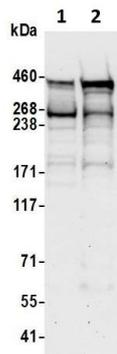
<b>Function</b>	Integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. Plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). May play an important role in preventing premature centrosome splitting during interphase by inhibiting NEK2 kinase activity at the centrosome.
<b>Tissue specificity</b>	Expressed in all tissues tested, including placenta, liver, kidney and thymus.
<b>Involvement in disease</b>	Microcephalic osteodysplastic primordial dwarfism 2
<b>Domain</b>	Composed of a coiled-coil central region flanked by non-helical N- and C-terminals.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton > microtubule organizing center > centrosome. Centrosomal at all stages of the cell cycle. Remains associated with centrosomes following microtubule depolymerization. Colocalized with DISC1 at the centrosome.

## Images



Immunocytochemistry/immunofluorescence analysis of formaldehyde-fixed asynchronous HeLa cells labelling Pericentrin with ab99341 at 1/1000 (1µg/ml). A DyLight® 594-conjugated goat anti-rabbit IgG (H+L) (1/100) was used as the secondary antibody.

Immunocytochemistry - Anti-Pericentrin antibody (ab99341)



Western blot - Anti-Pericentrin antibody (ab99341)

**All lanes** : Anti-Pericentrin antibody (ab99341) at 0.1 µg/ml

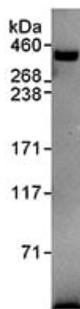
**Lane 1** : HeLa cell lysate prepared using NETN lysis buffer

**Lane 2** : HEK293T cell lysate prepared using NETN lysis buffer

Lysates/proteins at 50 µg per lane.

**Predicted band size:** 378 kDa

Detection: Chemiluminescence with an exposure time of 30 seconds.



Immunoprecipitation - Anti-Pericentrin antibody (ab99341)

Detection of Pericentrin by Western Blot of Immunoprecipitates in HeLa whole cell lysate (1 mg for IP, 20% of IP loaded) using ab99341 at 3 µg/mg lysate. Anti-Pericentrin antibody **ab99342**, which recognizes a downstream epitope, was used at 1 µg/ml for subsequent WB detection.

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

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