

## Product datasheet

### Anti-Pin1 antibody [EPR18546-317] $\alpha$ b192036

Recombinant **RabMAb**

★★★★★ **4 Abreviews** **3 References** **8 Images**

#### Overview

<b>Product name</b>	Anti-Pin1 antibody [EPR18546-317]
<b>Description</b>	Rabbit monoclonal [EPR18546-317] to Pin1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IP, Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HeLa, MCF7, C6 and NIH/3T3 cell lysates; Human fetal brain, fetal heart and fetal kidney lysates; mouse and rat brain, heart, kidney and spleen lysates. ICC/IF: HeLa and NIH/3T3 cells. Flow Cyt (intra): HeLa cells. IP: NIH/3T3 cell lysate.
<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>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR18546-317

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192036 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	★★★★★ (4)	1/2000. Detects a band of approximately 18 kDa (predicted molecular weight: 18 kDa).
ICC/IF		1/100.
IP		1/30.
Flow Cyt (Intra)		1/500.

## Target

### Function

Essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzing pSer/Thr-Pro cis/trans isomerizations.

### Sequence similarities

Contains 1 PpiC domain.  
Contains 1 WW domain.

### Domain

The WW domain is required for the interaction with STIL and KIF20B.

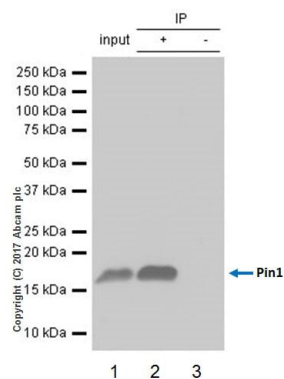
### Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

### Cellular localization

Nucleus.

## Images



Immunoprecipitation - Anti-Pin1 antibody  
[EPR18546-317] (ab192036)

Pin1 was immunoprecipitated from 0.35 mg of NIH/3T3 (mouse embryonic fibroblast cell line) lysate with ab192036 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab192036 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

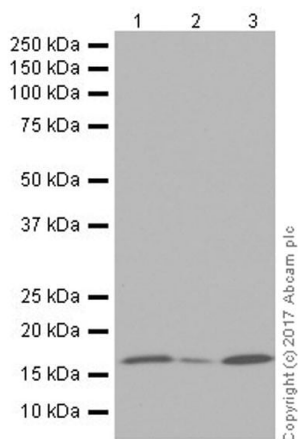
Lane 1: NIH/3T3 whole cell lysate 10 µg (Input).

Lane 2: ab192036 IP in NIH/3T3 whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab192036 in NIH/3T3 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 2 seconds.



Western blot - Anti-Pin1 antibody [EPR18546-317]  
(ab192036)

**All lanes :** Anti-Pin1 antibody [EPR18546-317] (ab192036) at 1/2000 dilution

**Lane 1 :** Human fetal brain lysate

**Lane 2 :** Human fetal heart lysate

**Lane 3 :** Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/4000 dilution

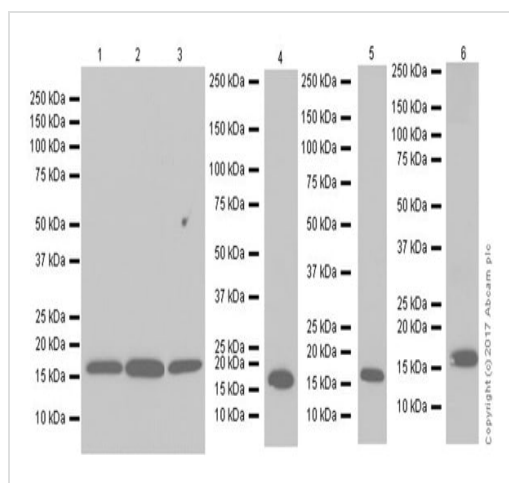
Developed using the ECL technique.

**Predicted band size:** 18 kDa

**Observed band size:** 18 kDa

**Exposure time:** 5 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-Pin1 antibody [EPR18546-317]  
(ab192036)

**All lanes** : Anti-Pin1 antibody [EPR18546-317] (ab192036) at 1/5000 dilution

**Lane 1** : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

**Lane 2** : MCF7 (human breast adenocarcinoma cell line) cell lysate

**Lane 3** : C6 (rat glial tumor cell line) cell lysate

**Lane 4** : NIH/3T3 (mouse embryonic fibroblast cell line) cell lysate

**Lane 5** : Mouse brain lysate

**Lane 6** : Rat brain lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

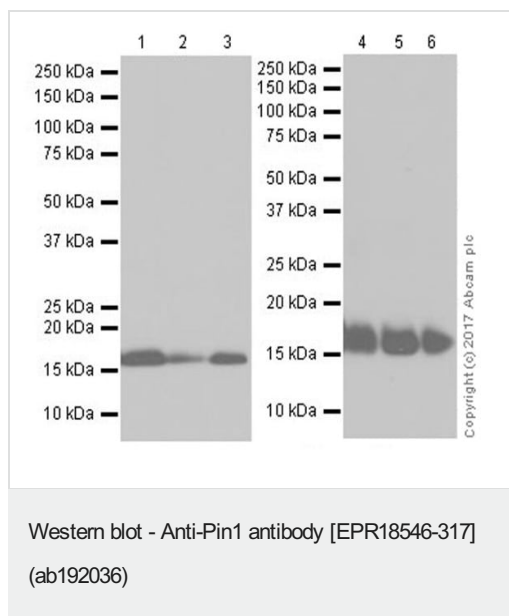
Developed using the ECL technique.

**Predicted band size:** 18 kDa

**Observed band size:** 18 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lanes 1-3: 15 seconds; Lanes 4-6: 30 seconds.



**All lanes :** Anti-Pin1 antibody [EPR18546-317] (ab192036) at 1/2000 dilution

**Lane 1 :** Mouse heart lysate

**Lane 2 :** Mouse kidney lysate

**Lane 3 :** Mouse spleen lysate

**Lane 4 :** Rat heart lysate

**Lane 5 :** Rat kidney lysate

**Lane 6 :** Rat spleen lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

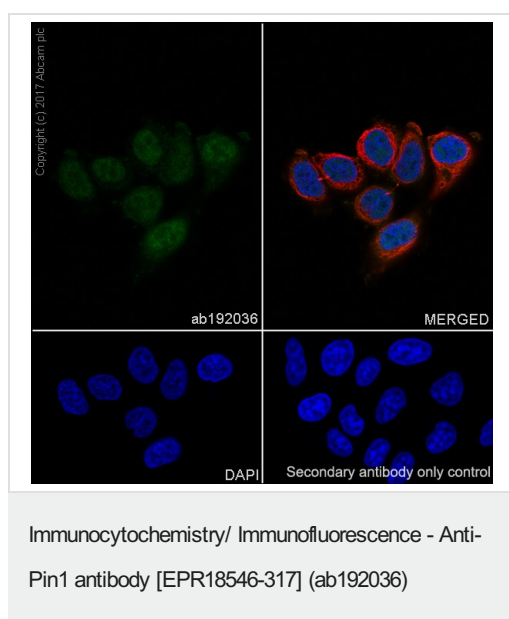
Developed using the ECL technique.

**Predicted band size:** 18 kDa

**Observed band size:** 18 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

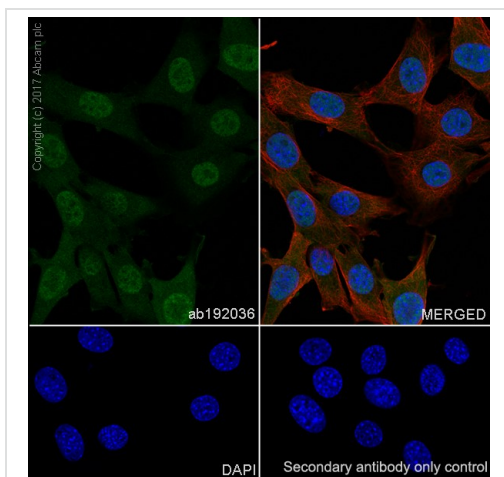
Exposure times: Lanes 1-3: 5 seconds; Lanes 4-6: 15 seconds.



Immunofluorescent analysis of 4% PFA-fixed, 0.1% Triton X-100 permeabilized HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Pin1 with ab192036 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic and nuclear staining on HeLa cells.

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

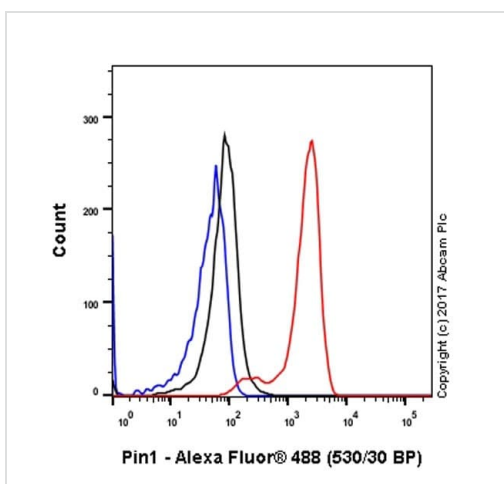


Immunocytochemistry/ Immunofluorescence - Anti-Pin1 antibody [EPR18546-317] (ab192036)

Immunofluorescent analysis of 4% PFA-fixed, 0.1% Triton X-100 permeabilized NIH/3T3 (mouse embryonic fibroblast cell line) cells labeling Pin1 with ab192036 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic and nuclear staining on NIH/3T3 cells.

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-Pin1 antibody [EPR18546-317] (ab192036)

Intracellular flow cytometric analysis of 4% PFA-fixed, 90% methanol permeabilized HeLa (human epithelial cell line from cervix adenocarcinoma) cell line labeling Pin1 with ab192036 at 1/500 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control ([ab172730](#)) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Pin1 antibody [EPR18546-317] (ab192036)

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

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