

## Product datasheet

### Anti-p50 dynamitin antibody [EPR5095] ab133492

Recombinant RabMAb

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

#### Overview

<b>Product name</b>	Anti-p50 dynamitin antibody [EPR5095]
<b>Description</b>	Rabbit monoclonal [EPR5095] to p50 dynamitin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P <b>Unsuitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human p50 dynamitin aa 300-400. Database link: <a href="#">Q13561</a>
<b>Positive control</b>	WB: MCF7, A375, Saos2, and SH SY5Y cell lysates. ICC/IF: SHSY5Y cells. IHC-P: Human cerebrum tissue.
<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5095
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab133492 in the following tested applications.

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

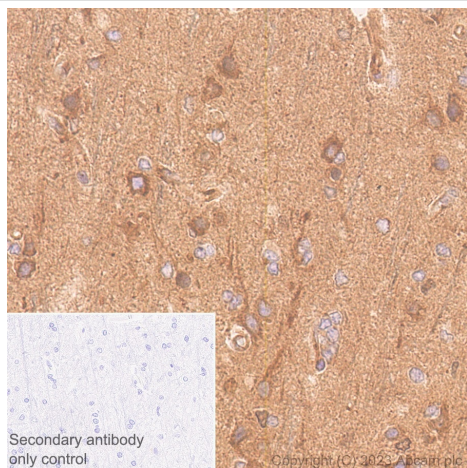
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).
<b>ICC/IF</b>		1/100 - 1/250.
<b>IHC-P</b>		1/400. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for Flow Cyt.

## Target

<b>Function</b>	Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. Involved in anchoring microtubules to centrosomes. May play a role in synapse formation during brain development.
<b>Sequence similarities</b>	Belongs to the dynactin subunit 2 family.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton > centrosome. Membrane.

## Images

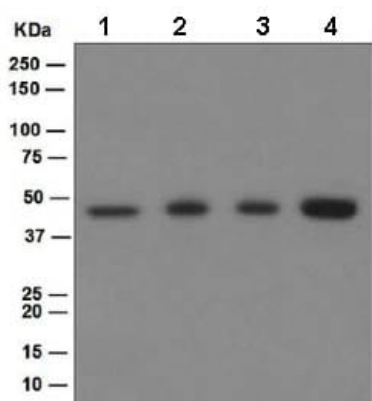


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p50 dynamitin antibody [EPR5095] (ab133492)

Immunohistochemical analysis of paraffin-embedded Human cerebrum tissue labelling p50 dynamitin with ab133492 at 1/400 dilution followed by a LeicaDS9800 (Bond™ Polymer Refine Detection) at Ready to use dilution. Positive staining on human cerebrum. The section was incubated with ab133492 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is LeicaDS9800 (Bond™ Polymer Refine Detection) at Ready to use dilution.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.



Western blot - Anti-p50 dynamitin antibody [EPR5095] (ab133492)

**All lanes :** Anti-p50 dynamitin antibody [EPR5095] (ab133492) at 1/1000 dilution

**Lane 1 :** MCF7 cell lysate

**Lane 2 :** A375 cell lysate

**Lane 3 :** Saos2 cell lysate

**Lane 4 :** SH SY5Y cell lysate

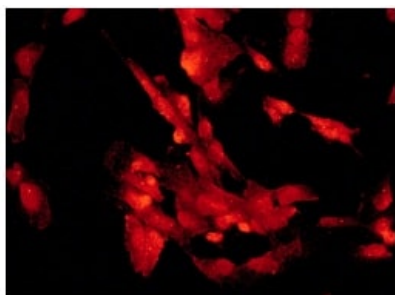
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 44 kDa

**Observed band size:** 44 kDa



Immunocytochemistry/ Immunofluorescence - Anti-p50 dynamitin antibody [EPR5095] (ab133492)

Immunofluorescence analysis of p50 dynamitin in SH-SY5Y cells, using ab133492 at a dilution of 1/100.

### 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-p50 dynamitin antibody [EPR5095] (ab133492)

**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