

## Product datasheet

# Anti-Delta-catenin antibody [EPR17628] ab184917

Recombinant RabMAb

★★★★☆ [4 Abreviews](#) [2 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-Delta-catenin antibody [EPR17628]
<b>Description</b>	Rabbit monoclonal [EPR17628] to Delta-catenin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Mouse brain, hippocampus and cerebellum; and rat brain and hippocampus tissue lysates. PC-12 whole cell lysate. ICC/IF: Neuro-2a 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>	EPR17628
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab184917 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	★★★★★ (2)	1/1000. Detects a band of approximately 135 kDa (predicted molecular weight: 135 kDa).
ICC/IF	★★★★★ (1)	1/500.

## Target

### Function

Functions as a transcriptional activator when bound to ZBTB33 (By similarity). May be involved in neuronal cell adhesion and tissue morphogenesis and integrity by regulating adhesion molecules.

### Tissue specificity

Predominantly expressed in brain.

### Sequence similarities

Belongs to the beta-catenin family.  
Contains 9 ARM repeats.

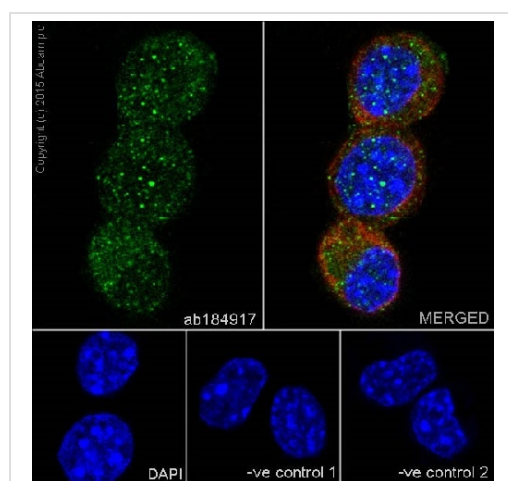
### Post-translational modifications

O-glycosylated.  
Phosphorylated upon DNA damage, probably by ATM or ATR.

### Cellular localization

Nucleus. Cell junction > adherens junction.

## Images

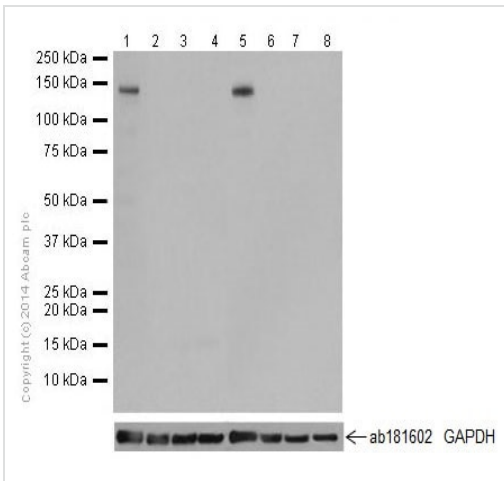


Immunocytochemistry/ Immunofluorescence - Anti-Delta-catenin antibody [EPR17628] (ab184917)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Neuro-2a (Mouse neuroblastoma cells) cells labeling delta-catenin with ab184917 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/400 dilution (green). Cytoplasmic and nuclear staining on Neuro-2a cell line is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/500 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab184917 at 1/500 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.  
-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/500 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/400 dilution.



Western blot - Anti-Delta-catenin antibody [EPR17628] (ab184917)

**All lanes** : Anti-Delta-catenin antibody [EPR17628] (ab184917) at 1/1000 dilution

- Lane 1** : Mouse brain tissue lysate
- Lane 2** : Mouse heart tissue lysate
- Lane 3** : Mouse kidney tissue lysate
- Lane 4** : Mouse spleen tissue lysate
- Lane 5** : Rat brain tissue lysate
- Lane 6** : Rat heart tissue lysate
- Lane 7** : Rat kidney tissue lysate
- Lane 8** : Rat spleen tissue lysate

Lysates/proteins at 10 µg per lane.

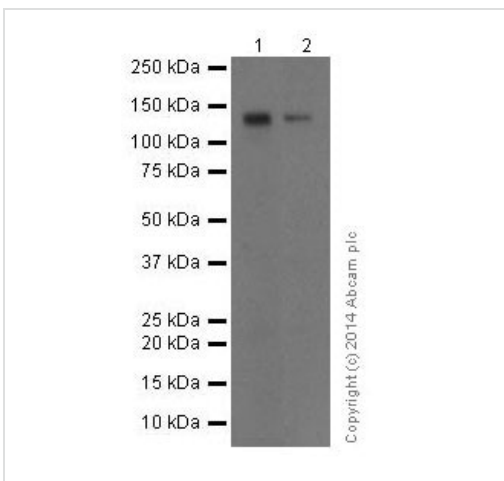
**Secondary**

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

**Predicted band size:** 135 kDa  
**Observed band size:** 135 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time = 10 seconds



Western blot - Anti-Delta-catenin antibody [EPR17628] (ab184917)

**All lanes** : Anti-Delta-catenin antibody [EPR17628] (ab184917) at 1/2000 dilution

- Lane 1** : Rat hippocampus lysate
- Lane 2** : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

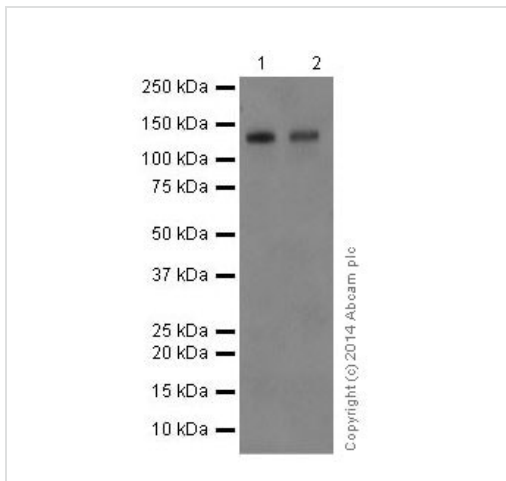
**Secondary**

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

**Predicted band size:** 135 kDa  
**Observed band size:** 135 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time = 3 minutes



Western blot - Anti-Delta-catenin antibody  
[EPR17628] (ab184917)

**All lanes** : Anti-Delta-catenin antibody [EPR17628] (ab184917) at 1/2000 dilution

**Lane 1** : Mouse hippocampus lysate

**Lane 2** : Mouse cerebellum lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

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





**Predicted band size:** 135 kDa

**Observed band size:** 135 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time = 10 seconds

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Delta-catenin antibody [EPR17628] (ab184917)

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

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