

## Product datasheet

### Anti-ADCY9/AC9 antibody [EPR16188] ab191423

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [9 References](#) [3 Images](#)

#### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-ADCY9/AC9 antibody [EPR16188]   |
| <b>Description</b>         | Rabbit monoclonal [EPR16188] to ADCY9/AC9  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB<br><b>Unsuitable for:</b> IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human  |
| <b>Immunogen</b>           | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.   |
| <b>Positive control</b>    | A549, K562, Mouse heart, Mouse spleen, Rat brain, PC12 and NIH 3T3 lysates.  |
| <b>General notes</b>       | This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> .<br>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> . |

#### 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<br>Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA                                     |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | EPR16188  |
| <b>Isotype</b>              | IgG   |

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191423 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 - 1/10000. Detects a band of approximately 151 kDa (predicted molecular weight: 151 kDa). |

### Application notes

Is unsuitable for IHC-P.

## Target

### Function

May play a fundamental role in situations where fine interplay between intracellular calcium and cAMP determines the cellular function. May be a physiologically relevant docking site for calcineurin.

### Tissue specificity

Expressed in multiple cells of the lung, with expression highest in airway smooth muscle.

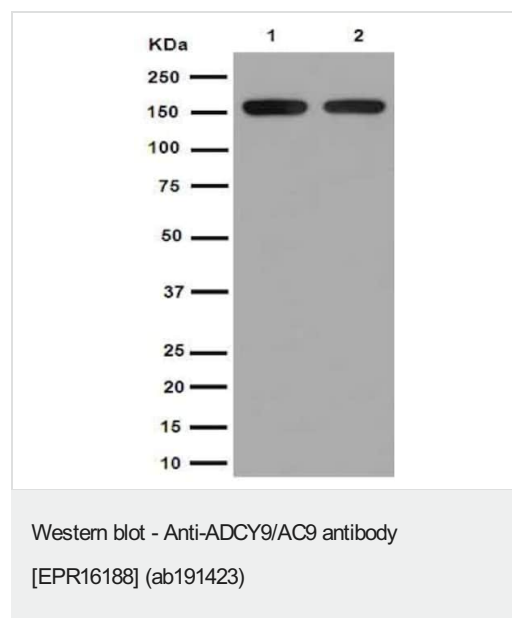
### Sequence similarities

Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.  
Contains 2 guanylate cyclase domains.

### Cellular localization

Membrane.

## Images



**All lanes** : Anti-ADCY9/AC9 antibody [EPR16188] (ab191423) at 1/10000 dilution

**Lane 1** : A549 lysate

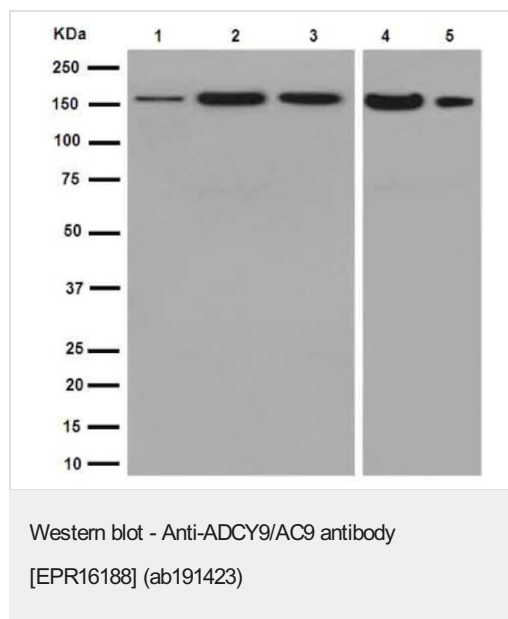
**Lane 2** : K562 lysate

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:** 151 kDa



**All lanes :** Anti-ADCY9/AC9 antibody [EPR16188] (ab191423) at 1/2000 dilution

**Lane 1 :** Mouse heart lysate

**Lane 2 :** Mouse spleen lysate

**Lane 3 :** Rat brain lysate

**Lane 4 :** PC12 lysate

**Lane 5 :** NIH 3T3 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:** 151 kDa

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-ADCY9/AC9 antibody [EPR16188] (ab191423)

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

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