

# Anti-M Cadherin antibody [EP5756] - BSA and Azide free ab284800

RabMAb

3 Images

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-M Cadherin antibody [EP5756] - BSA and Azide free   |
| <b>Description</b>         | Rabbit monoclonal [EP5756] to M Cadherin - BSA and Azide free  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB<br><b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human  |
| <b>Immunogen</b>           | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.  |
| <b>Positive control</b>    | WB: A673, Human cerebellum, Fetal heart, Fetal brain and 293T cell lysates; Mouse brain, heart, kidney and spleen tissues; Rat brain, kidney and spleen tissues. |
| <b>General notes</b>       | ab284800 is the carrier-free version of <a href="#">ab129078</a>   |

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

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.

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&As

## Properties

|                      |                                  |
|----------------------|----------------------------------|
| Form                 | Liquid                           |
| Storage instructions | Shipped at 4°C. Store at +4°C.   |
| Storage buffer       | pH: 7.2<br>Constituent: 100% PBS |
| Carrier free         | Yes                              |
| Purity               | Tissue culture supernatant       |
| Clonality            | Monoclonal                       |
| Clone number         | EP5756                           |
| Isotype              | IgG                              |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab284800 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

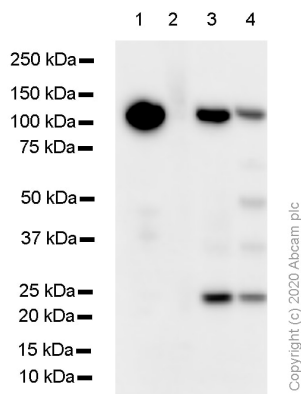
| Application | Abreviews | Notes  |
|-------------|-----------|--|
| WB          |           | Use at an assay dependent concentration. Predicted molecular weight: 89 kDa. |

**Application notes** Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

## Target

|                        |  |
|------------------------|--|
| Function               | Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. M-cadherin is part of the myogenic program and may provide a trigger for terminal muscle differentiation. |
| Tissue specificity     | Expressed in the brain and cerebellum.   |
| Involvement in disease | A chromosomal aberration involving CDH15 and KIRREL3 is found in a patient with severe mental retardation and dysmorphic facial features. Translocation t(11;16)(q24.2;q24).<br>Mental retardation, autosomal dominant 3   |
| Sequence similarities  | Contains 5 cadherin domains.   |
| Domain                 | Three calcium ions are usually bound at the interface of each cadherin domain and rigidify the connections, imparting a strong curvature to the full-length ectodomain.  |
| Cellular localization  | Cell membrane.   |

## Images



Western blot - Anti-M Cadherin antibody [EP5756]  
(ab284800)

**All lanes :** Anti-M Cadherin antibody [EP5756] (**ab129078**) at 0.089 µg/ml

**Lane 1 :** Rat Brain Tissue

**Lane 2 :** Rat Heart Tissue

**Lane 3 :** Rat Kidney Tissue

**Lane 4 :** Rat Spleen Tissue

Lysates/proteins at 20 µg per lane.

#### Secondary

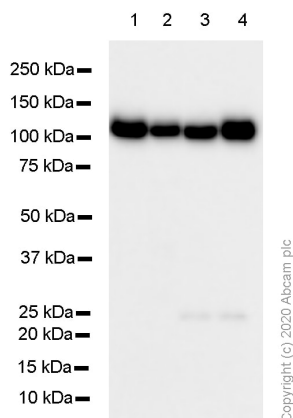
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

**Predicted band size:** 89 kDa

**Observed band size:** 120 kDa

This data was developed using **ab129078**, the same antibody clone in a different buffer formulation.

Blocking/Diluting buffer and concentration: 5% NFDm /TBST



Western blot - Anti-M Cadherin antibody [EP5756]  
(ab284800)

**All lanes :** Anti-M Cadherin antibody [EP5756] (**ab129078**) at 0.089 µg/ml

**Lane 1 :** Mouse Brain Tissue

**Lane 2 :** Mouse Heart Tissue

**Lane 3 :** Mouse Kidney Tissue

**Lane 4 :** Mouse Spleen Tissue

Lysates/proteins at 20 µg per lane.

#### Secondary

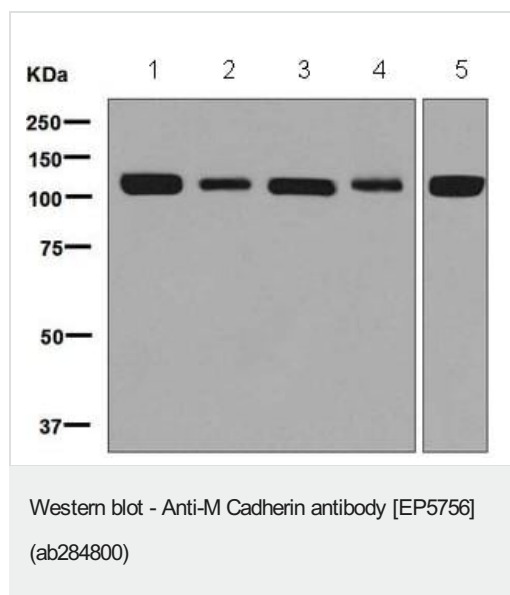
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

**Predicted band size:** 89 kDa

**Observed band size:** 120 kDa

This data was developed using **ab129078**, the same antibody clone in a different buffer formulation.

Blocking/Diluting buffer and concentration: 5% NFDM /TBST



**All lanes :** Anti-M Cadherin antibody [EP5756] (**ab129078**) at 1/1000 dilution

**Lane 1 :** A673 cell lysate

**Lane 2 :** Human cerebellum cell lysate

**Lane 3 :** Human fetal heart cell lysate

**Lane 4 :** Human fetal brain cell lysate

**Lane 5 :** 293T cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-rabbit HRP

**Predicted band size:** 89 kDa

**Observed band size:** 120 kDa

This data was developed using **ab129078**, the same antibody clone in a different buffer formulation.

**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