

**M Cadherin (CDH15) Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1435b**

**Specification**

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**M Cadherin (CDH15) Antibody (C-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, WB,E            |
| Primary Accession | <a href="#">P55291</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |
| Antigen Region    | 739-767                |

**M Cadherin (CDH15) Antibody (C-term) - Additional Information**

**Gene ID** 1013

**Other Names**

Cadherin-15, Cadherin-14, Muscle cadherin, M-cadherin, CDH15, CDH14, CDH3

**Target/Specificity**

This M Cadherin (CDH15) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 739-767 amino acids from the C-terminal region of human M Cadherin (CDH15).

**Dilution**

IHC-P~~1:10~50

WB~~1:8000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

M Cadherin (CDH15) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**M Cadherin (CDH15) Antibody (C-term) - Protein Information**

**Name** CDH15

**Synonyms** CDH14, CDH3

**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.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**Tissue Location**

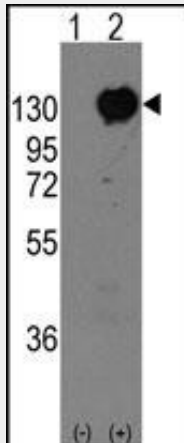
Expressed in the brain and cerebellum.

**M Cadherin (CDH15) Antibody (C-term) - Protocols**

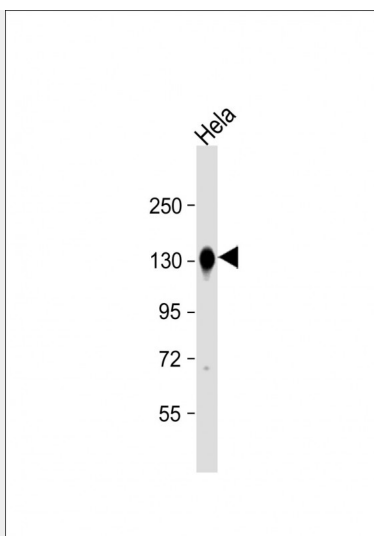
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

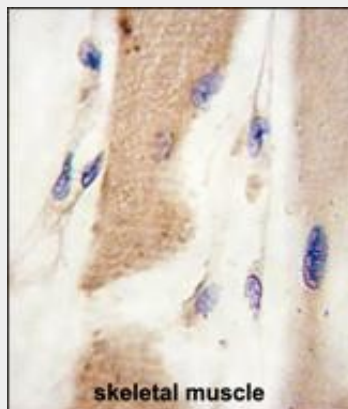
**M Cadherin (CDH15) Antibody (C-term) - Images**



Western blot analysis of CDH15 (arrow) using rabbit polyclonal CDH15 Antibody (C-term) (Cat.#AP1435b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH15 gene (Lane 2) (Origene Technologies).



Anti-CDH15 Antibody (C-term) at 1:8000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 89 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with CDH15 antibody (C-term) (Cat.#AP1435b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

### **M Cadherin (CDH15) Antibody (C-term) - Background**

CDH15 is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. This protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation.

### **M Cadherin (CDH15) Antibody (C-term) - References**

Kang,J.S., Proc. Natl. Acad. Sci. U.S.A. 100 (7), 3989-3994 (2003) Hollnagel,A., Mol. Cell. Biol. 22 (13), 4760-4770 (2002) Meigs,T.E., Proc. Natl. Acad. Sci. U.S.A. 98 (2), 519-524 (2001)