

**M Cadherin (CDH15) Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP1435b****Specification**

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**M Cadherin (CDH15) Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P55291](#)**M Cadherin (CDH15) Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 1013**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1435b](/product/products/AP1435b) was selected from the C-term region of human CDH15. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

## **M Cadherin (CDH15) Antibody (C-term) Blocking peptide - Images**

## **M Cadherin (CDH15) Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)