

For Research Use Only

M-cadherin Polyclonal antibody

Catalog Number: 29928-1-AP



Basic Information

Catalog Number:

29928-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25763

GenBank Accession Number:

BC008951

GeneID (NCBI):

1013

UNIPROT ID:

P55291

Full Name:

cadherin 15, type 1, M-cadherin (myotubule)

Calculated MW:

89 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IF-P, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : C2C12 cells,

IF-P : mouse skeletal muscle tissue,

Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. M-cadherin (muscle cadherin), also known as CDH15 (cadherin-15), is a 124-kDa type I transmembrane glycoprotein that is highly expressed in developing skeletal muscle, satellite cells, and cerebellum (PMID: 9545347; 12052883). It associates with β -catenin and functions as a cell-cell adhesion molecule in a homophilic and specific manner (PMID: 9545347). M-cadherin is part of the myogenic program and may provide a trigger for terminal muscle differentiation (PMID: 1840697).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

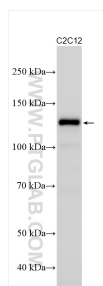
T: 4006900926

E: Proteintech-CN@ptglab.com

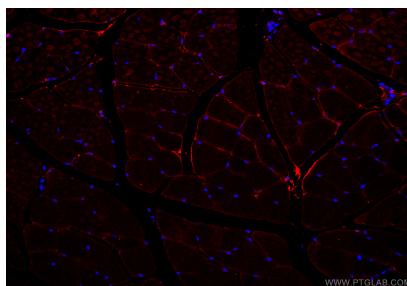
W: ptgcn.com

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Selected Validation Data



C2C12 cells were subjected to SDS PAGE followed by western blot with 29928-1-AP (M-cadherin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skeletal muscle tissue using M-cadherin antibody (29928-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).