

For Research Use Only

M-cadherin Polyclonal antibody

Catalog Number: 29928-1-AP



Basic Information

Catalog Number: 29928-1-AP	GenBank Accession Number: BC008951	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 1013	Recommended Dilutions: WB 1:1000-1:6000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: P55291	
Isotype: IgG	Full Name: cadherin 15, type 1, M-cadherin (myotubule)	
Immunogen Catalog Number: AG25763	Calculated MW: 89 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, rat	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

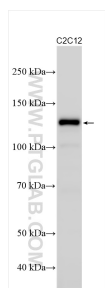
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

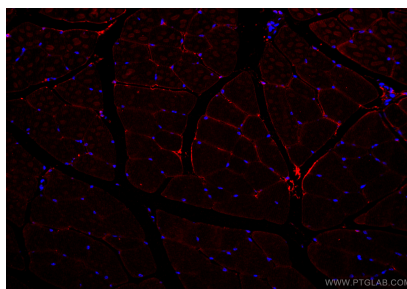
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).