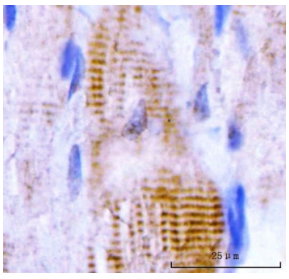
M Cadherin Antibody / CDH15 (RQ6843)

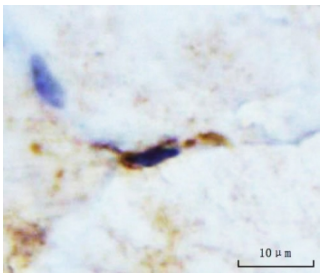
Catalog No.	Formulation	Size
RQ6843	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

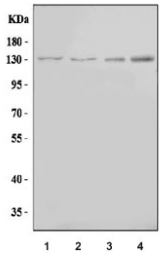
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55291
Localization	Cytoplasm, plasma membrane
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This M Cadherin antibody is available for research use only.



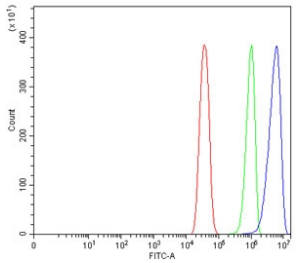
IHC staining of FFPE rat skeletal muscle tissue with M Cadherin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse skeletal muscle tissue with M Cadherin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human 293T, 3) rat L6 and 4) mouse C2C12 cell lysate with M Cadherin antibody. Expected molecular weight: 89-130 kDa depending on the degree of glycosylation.



Flow cytometry testing of mouse C2C12 cells with M Cadherin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= M Cadherin antibody.

Description

Cadherin-15 is a protein that in humans is encoded by the CDH15 gene. This gene 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. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation.

Application Notes

Optimal dilution of the M Cadherin antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids L61-D742) was used as the immunogen for the M Cadherin antibody.

Storage

After reconstitution, the M Cadherin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.