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Anti-M Cadherin Antibody

Catalog # AP59984

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P55291
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88916

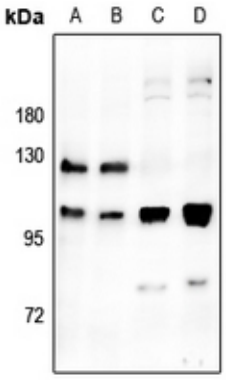
Additional Information

Gene ID	1013
Other Names	CDH14; CDH3; Cadherin-15; Cadherin-14; Muscle cadherin; M-cadherin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human M Cadherin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

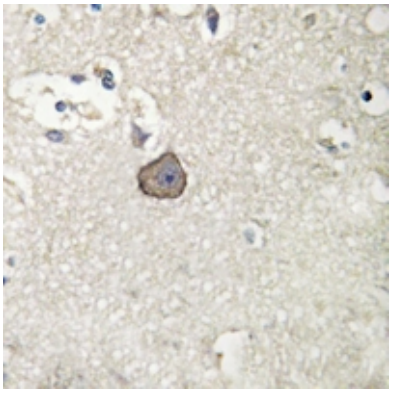
Protein Information

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.

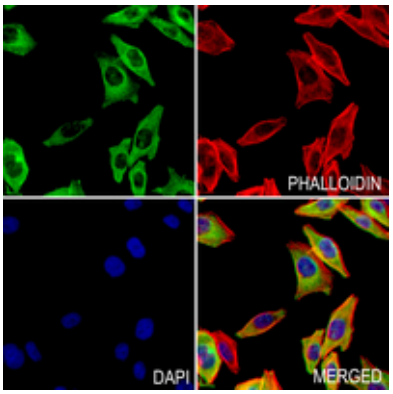
Images



Western blot analysis of M Cadherin expression in mouse brain (A), rat brain (B), U87MG (C), MG63 (D) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 120; 100 kD)



Immunohistochemical analysis of M Cadherin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of M Cadherin staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.