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Datasheet for ABIN968363 anti-CDH15 antibody (AA 253-366)

5 Publications



Overview

Quantity:	50 µg
Target:	CDH15
Binding Specificity:	AA 253-366
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDH15 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Mouse M-Cadherin aa. 253-366
Clone:	5-M
lsotype:	lgG2a
Cross-Reactivity:	Rat (Rattus)
Characteristics:	 Since applications vary, each investigator should titrate the reagent to obtain optimal results. Please refer to us for technical protocols. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

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Product Details

chromatography.

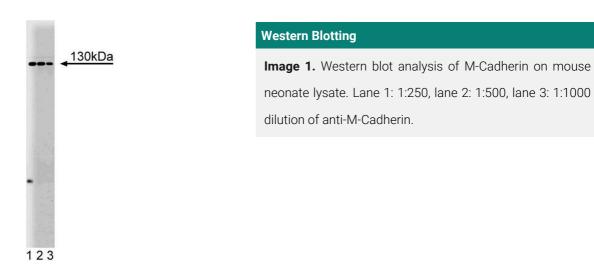
Target Details

M-Cadherin (CDH15 Products)
Cadherins are a family of transmembrane glycoproteins involved in the Ca2+-dependent cell-
cell adhesion that occurs in many tissues. Members of this family include P-Cadherin, E-
Cadherin (uvomorulin), N-Cadherin, R-Cadherin, Cadherin-5, L-CAM, and EP-Cadherin. These
proteins are similar in their domain structure (45-74% amino acid conservation), Ca2+ and
protease sensitivity, and molecular weight. However, cadherins have distinct tissue expression
patterns and immunological reactivities. M (muscle)-Cadherin, another member of the Cadherir
family, was discovered in myogenic mouse cells where it is present at low levels in myoblasts.
It is expressed in prenatal and adult skeletal muscle and plays a role in skeletal muscle cell
differentiation, particularly the fusion of myoblasts into myotubes. It is upregulated upon
induction of myotube formation. M-Cadherin also forms complexes with the catenins in skeleta
muscle cells, which then interact with the cytoskeleton. Therefore, it is thought that the M-
Cadherin-cytoskeleton interaction may play a role in aligning myoblasts during fusion. This
antibody is routinely tested by western blot analysis.
130 kDa
Related Products: ABIN967389
For Research Use only
Liquid
250 μg/mL
Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling	
Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.
Publications	
Product cited in:	Kang, Feinleib, Knox, Ketteringham, Krauss: "Promyogenic members of the Ig and cadherin
	families associate to positively regulate differentiation." in: Proceedings of the National
	Academy of Sciences of the United States of America, Vol. 100, Issue 7, pp. 3989-94, (2003) (
	PubMed).
	Kaufmann, Kirsch, Irintchev, Wernig, Starzinski-Powitz: "The M-cadherin catenin complex
	interacts with microtubules in skeletal muscle cells: implications for the fusion of myoblasts."
	in: Journal of cell science, Vol. 112 (Pt 1), pp. 55-68, (1999) (PubMed).
	Shimoyama, Shibata, Kitajima, Hirohashi: "Molecular cloning and characterization of a novel
	human classic cadherin homologous with mouse muscle cadherin." in: The Journal of
	biological chemistry, Vol. 273, Issue 16, pp. 10011-8, (1998) (PubMed).
	Kuch, Winnekendonk, Butz, Unvericht, Kemler, Starzinski-Powitz: "M-cadherin-mediated cell
	adhesion and complex formation with the catenins in myogenic mouse cells." in: Experimental
	cell research , Vol. 232, Issue 2, pp. 331-8, (1997) (PubMed).
	Donalies, Cramer, Ringwald, Starzinski-Powitz: "Expression of M-cadherin, a member of the
	cadherin multigene family, correlates with differentiation of skeletal muscle cells." in:
	Proceedings of the National Academy of Sciences of the United States of America, Vol. 88,

Issue 18, pp. 8024-8, (1991) (PubMed).



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