

Basic Information

Product Name	Anti-N-Cadherin/CDH2 Antibody (Clone#FI-3)	
Gene Name	CDH2	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human N Cadherin	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	140 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

N-cadherin (NCAD) is a member of the cadherin cell-cell adhesion receptor family that includes P-, E-, and R-cadherin and liver cell adhesion molecule (L-CAM). N-Cadherin, also known as Cadherin-2, encodes a 907-amino acid protein that includes a 159-amino acid signal sequence. Human and mouse nucleotide sequences are 96% identical. Mouse Ncad gene consists of 16 exons dispersed over more than 200 kb of genomic DNA. Human N-cadherin gene contains 16 exons and its sequence is highly similar to both the mouse NCAD gene (including the large first and second introns) and other cadherin genes. N-cadherin is mapped to 18q11.2. Cadherin regulates dendritic spine morphogenesis.

Reference

Anti-N-Cadherin/CDH2 Antibody (Clone#FI-3)被引用在17文献中。

Selected Validation Data

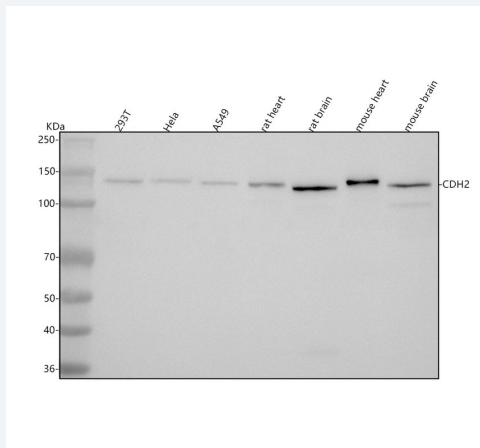


Figure 1. Western blot analysis of anti-N-Cadherin/CDH2 antibody (BM3921). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human Hela whole cell lysates,

Lane 3: human A549 whole cell lysates,

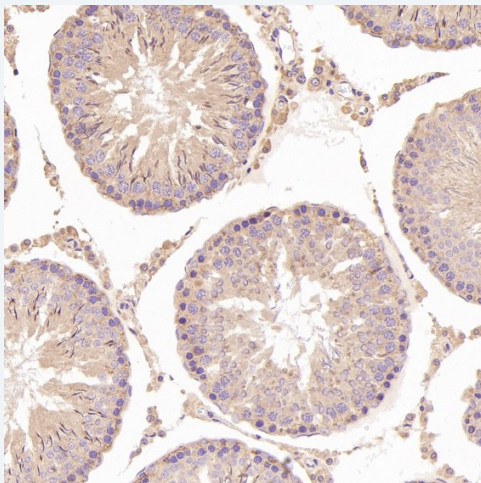
Lane 4: rat heart tissue lysates,

Lane 5: rat brain tissue lysates,

Lane 6: mouse heart tissue lysates,

Lane 7: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-N-Cadherin/CDH2 antigen affinity purified monoclonal antibody (BM3921) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for N-Cadherin/CDH2 at approximately 140 kDa. The expected band size for N-Cadherin/CDH2 is at 100 kDa.



Immunohistochemical analysis of paraffin-embedded Rat testis, using the Antibody.

Product datasheet

**Anti-N-Cadherin/CDH2 Antibody
(Clone#FI-3)**

Catalog Number: BM3921

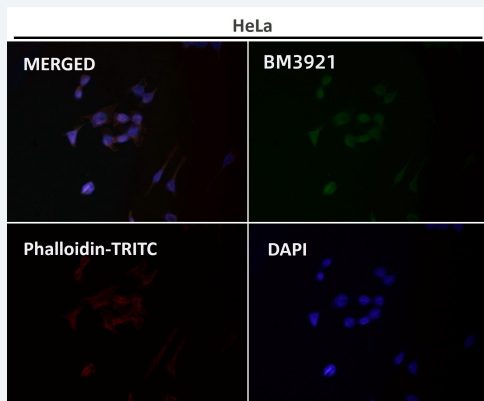
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Immunofluorescent analysis using the Antibody.