

# N Cadherin Rabbit mAb

Catalog # AP78942

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P19022</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	99809

## Additional Information

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<b>Gene ID</b>	1000
<b>Other Names</b>	CDH2
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A
<b>Format</b>	10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

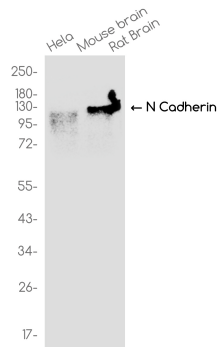
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<b>Name</b>	CDH2
<b>Synonyms</b>	CDHN, NCAD
<b>Function</b>	Calcium-dependent cell adhesion protein; preferentially mediates homotypic cell-cell adhesion by dimerization with a CDH2 chain from another cell. Cadherins may thus contribute to the sorting of heterogeneous cell types. Acts as a regulator of neural stem cells quiescence by mediating anchorage of neural stem cells to ependymocytes in the adult subependymal zone: upon cleavage by MMP24, CDH2-mediated anchorage is affected, leading to modulate neural stem cell quiescence. Plays a role in cell-to-cell junction formation between pancreatic beta cells and neural crest stem (NCS) cells, promoting the formation of processes by NCS cells (By similarity). Required for proper neurite branching. Required for pre- and postsynaptic organization (By similarity). CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein. Cell membrane, sarcolemma {ECO:0000250 UniProtKB:P15116}. Cell junction. Cell surface {ECO:0000250 UniProtKB:P15116}. Cell junction, desmosome

{ECO:0000250|UniProtKB:P15116}. Cell junction, adherens junction  
{ECO:0000250|UniProtKB:P15116}. Note=Colocalizes with TMEM65 at the  
intercalated disk in cardiomyocytes. Colocalizes with OBSCN at the  
intercalated disk and at sarcolemma in cardiomyocytes  
{ECO:0000250|UniProtKB:P15116}

## Images

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