

#### N Cadherin Rabbit mAb

**Catalog # AP76837** 

#### **Specification**

#### N Cadherin Rabbit mAb - Product Information

Application WB, IP Primary Accession P19022

Reactivity Human, Mouse, Rat

Host Rabb

Clonality Monoclonal Antibody

Calculated MW 99809

#### N Cadherin Rabbit mAb - Additional Information

**Gene ID 1000** 

Other Names CDH2

**Dilution**WB~~1/500-1/1000
IP~~1/20

Format Liquid

## N Cadherin Rabbit mAb - Protein Information

Name CDH2

Synonyms CDHN, NCAD

### **Function**

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.

### **Cellular Location**

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



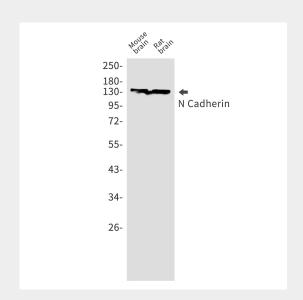
{ECO:0000250|UniProtKB:P15116}. Note=Colocalizes with TMEM65 at the intercalated disk in cardiomyocytes. Colocalizes with OBSCN at the intercalated disk and at sarcolemma in cardiomyocytes {ECO:0000250|UniProtKB:P15116}

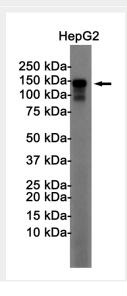
### N Cadherin Rabbit mAb - Protocols

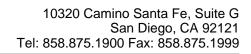
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# N Cadherin Rabbit mAb - Images









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