

## N-cadherin Mouse mAb

CatalogNo: YM0465

Orthogonal Validated



### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, FC, ELISA

### Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:1000-1:5000

IF 1:200-1:1000

Flow Cyt 1:200-1:400

ELISA 1:10000

Not yet tested in other applications.

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Monoclonal**Clone Number** 6H10

### Immunogen Information

**Immunogen** Purified recombinant fragment of human N-cadherin expressed in E. Coli.**Specificity** N-cadherin Monoclonal Antibody detects endogenous levels of N-cadherin protein.

## Target Information

Gene name CDH2

Protein Name Cadherin-2

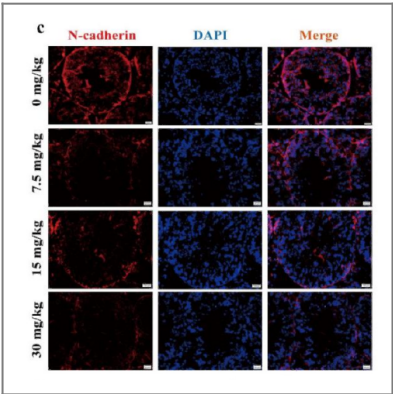
Organism	Gene ID	UniProt ID
Human	<a href="#">1000;</a>	<a href="#">P19022;</a>
Mouse	<a href="#">12558;</a>	<a href="#">P15116;</a>
Rat	<a href="#">83501;</a>	<a href="#">Q9Z1Y3;</a>

**Cellular Localization** Cell membrane ; Single-pass type I membrane protein . Cell membrane, sarcolemma . Cell junction . Cell surface . Colocalizes with TMEM65 at the intercalated disk in cardiomyocytes. Colocalizes with OBSCN at the intercalated disk and at sarcolemma in cardiomyocytes. .

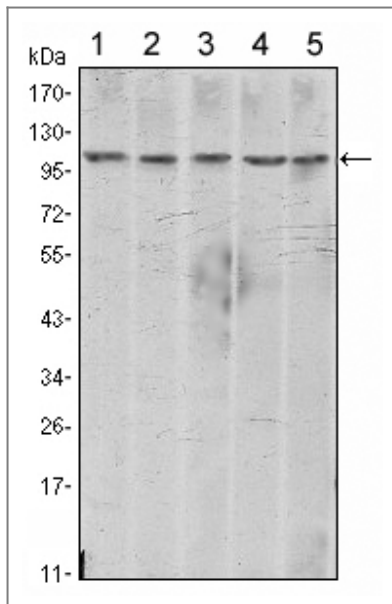
**Tissue specificity** Brain,Epithelium,Liver,

**Function** 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. CDH2 may be involved in neuronal recognition mechanism.,similarity:Contains 5 cadherin domains.,subunit:Interacts with CDCP1.,

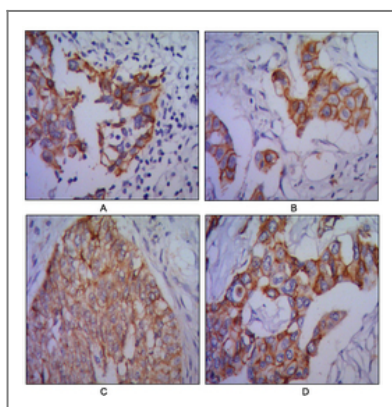
## Validation Data



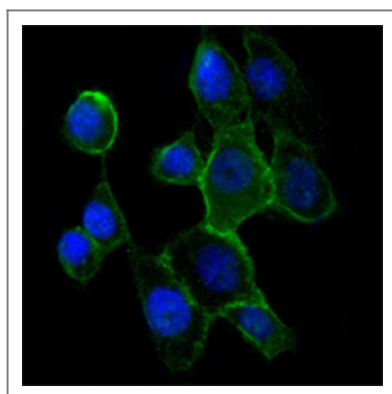
Fusobacterium nucleatum-triggered neutrophil extracellular traps facilitate colorectal carcinoma progression. JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH Liang Duan WB Human 1:1000 HCT116 cell,SW480 cell



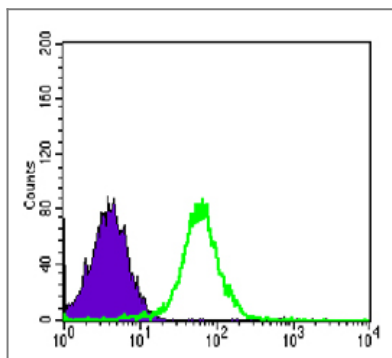
Western Blot analysis using N-cadherin Monoclonal Antibody against A431 (1), NIH/3T3 (2), HeLa (3), C6 (4) and LNCap (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human lung cancer (A), colon cancer (B), ovarian cancer (C) and mammary cancer (D) with DAB staining using N-cadherin Monoclonal Antibody.



Immunofluorescence analysis of A431 cells using N-cadherin Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of PC-2 cells using N-cadherin Monoclonal Antibody (green) and negative control (purple).

## | Contact information

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Please scan the QR code  
to access additional  
product information:  
**N-cadherin Mouse  
mAb**

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