

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

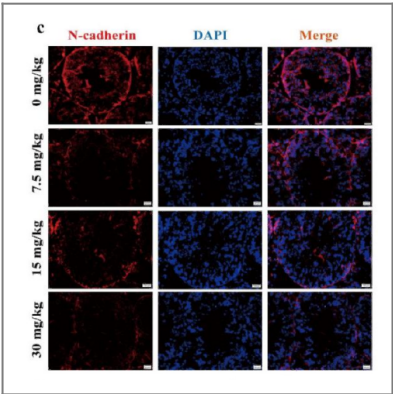
Organism	Gene ID	UniProt ID
Human	1000;	P19022;
Mouse	12558;	P15116;
Rat	83501;	Q9Z1Y3;

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. .

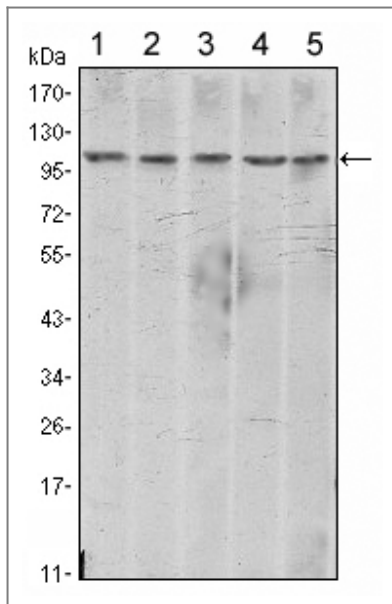
Tissue specificity Brain,Epithelium,Liver,

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.,

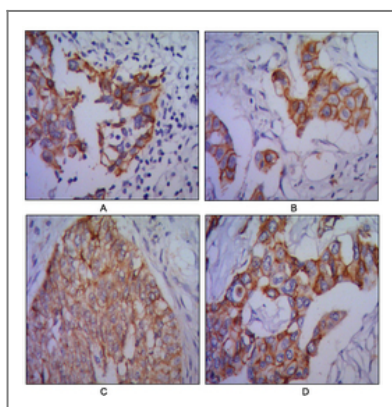
| Validation Data



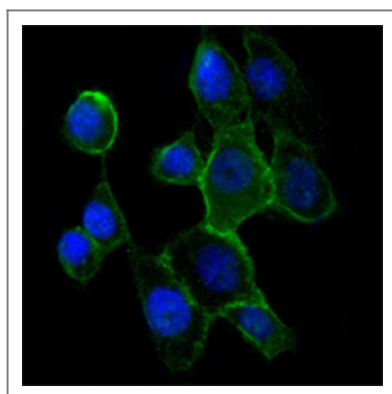
Fusobacterium nucleatum-triggered neutrophil extracellular traps facilitate colorectal carcinoma progression. JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH Liang Duan WB Human 1:1000 HCT116 cell,SW480 cell



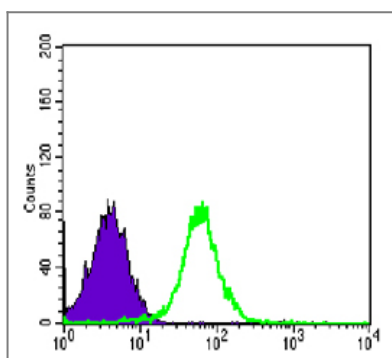
Western Blot analysis using N-cadherin Monoclonal Antibody against A431 (1), NIH/3T3 (2), HeLa (3), C6 (4) and LNCap (5) cell lysate.



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**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)