# N-cadherin Monoclonal Antibody

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| **Catalog No :** | YM0465 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | IHC;IF;FCM;ELISA |
| **Target :** | N-cadherin |
| **Fields :** | >>Cell adhesion molecules;>>Arrhythmogenic right ventricular cardiomyopathy |
| **Gene Name :** | CDH2 |
| **Protein Name :** | Cadherin-2 |
| **Human Gene Id :** | 1000 |
| **Human Swiss Prot No :** | P19022 |
| **Mouse Gene Id :** | 12558 |
| **Mouse Swiss Prot No :** | P15116 |
| **Rat Gene Id :** | 83501 |
| **Rat Swiss Prot No :** | Q9Z1Y3 |
| **Immunogen :** | Purified recombinant fragment of human N-cadherin expressed in E. Coli. |
| **Specificity :** | N-cadherin Monoclonal Antibody detects endogenous levels of N-cadherin protein. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Monoclonal, Mouse |
| **Dilution :** | IHC 1:200 - 1:1000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications. |

**Purification :** Affinity purification

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Cell Pathway :** Cell adhesion molecules (CAMs);Arrhythmogenic right ventricular cardiomyopathy (ARVC);

**P References :**

1. J Biol Chem. 2007 Mar 16;282(11):8545-56.
2. Mol Cell Biochem. 2007 Aug;302(1-2):19-26.
3. Urol Oncol. 2010 Mar-Apr;28(2):180-8.

**Background :** This gene encodes a classical cadherin and member of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein is proteolytically processed to generate a calcium-dependent cell adhesion molecule and glycoprotein. This protein plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone. [provided by RefSeq, Nov 2015],

**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.,

**Subcellular Location :** 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. .

**Expression :** Brain,Epithelium,Liver,

**Tag :** orthogonal

**Sort :** 1

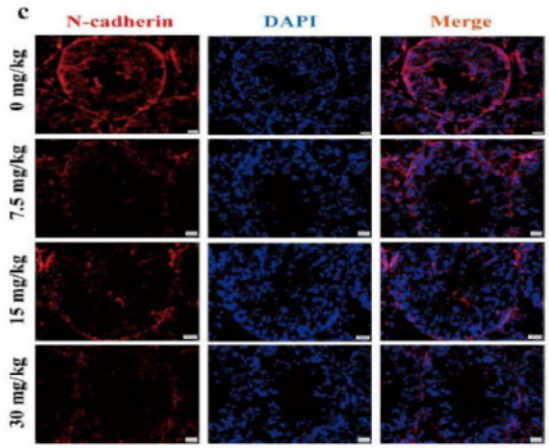
**No3 :** ab19348

**No4 :** 1

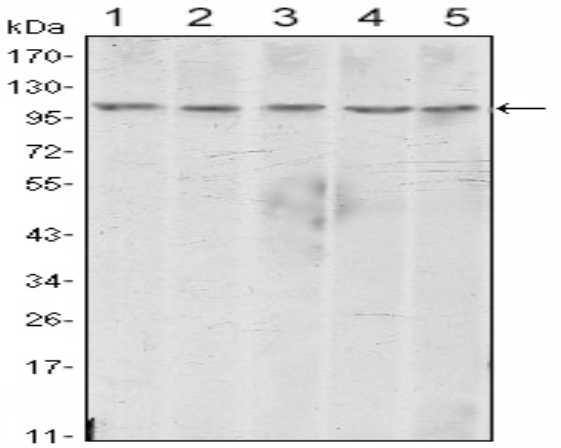
**Host :** Mouse

**Modifications :** Unmodified

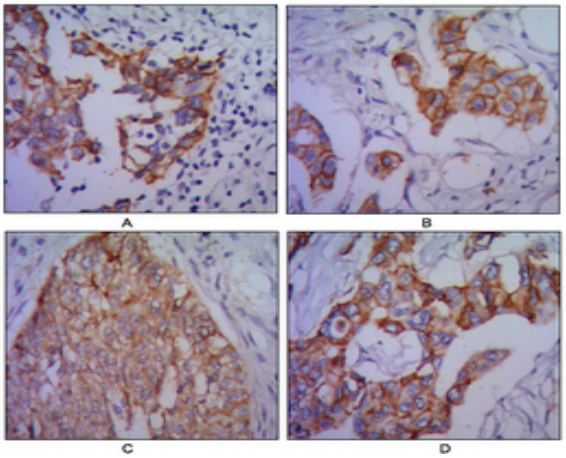
## Products Images



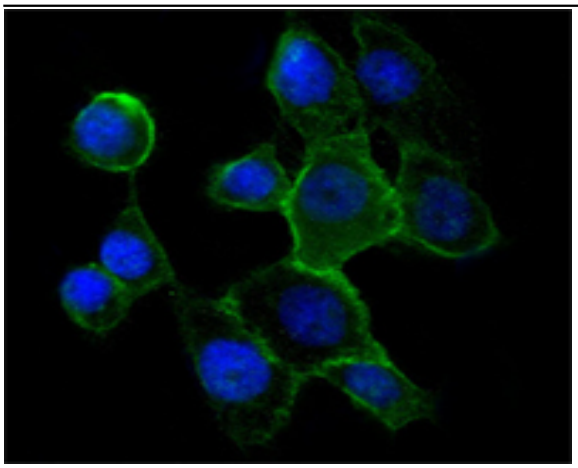

Fusobacterium nucleatum-triggered neutrophil extracellular traps facilitate colorectal carcinoma progression. JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH Liang Duan WB Human 1:1000 HCT116 cell,SW480 cell



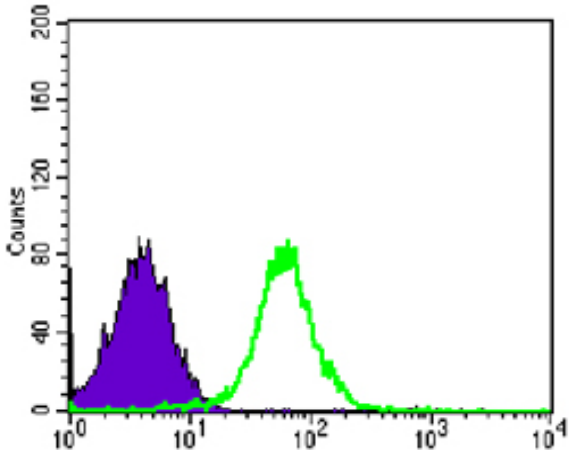

Western Blot analysis using N-cadherin Monoclonal Antibody against A431 (1), NIH/3T3 (2), HeLa (3), C6 (4) and LNCap (5) cell lysate.




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).