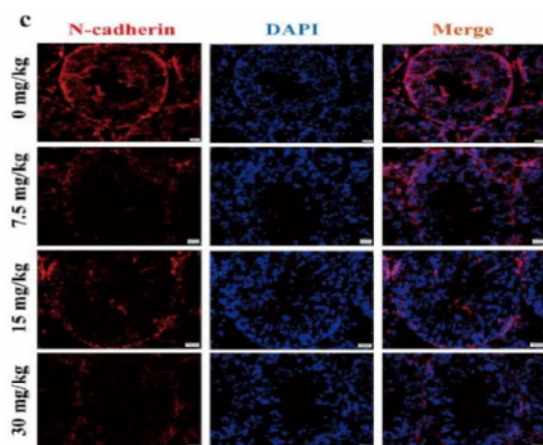


## N-cadherin Monoclonal Antibody

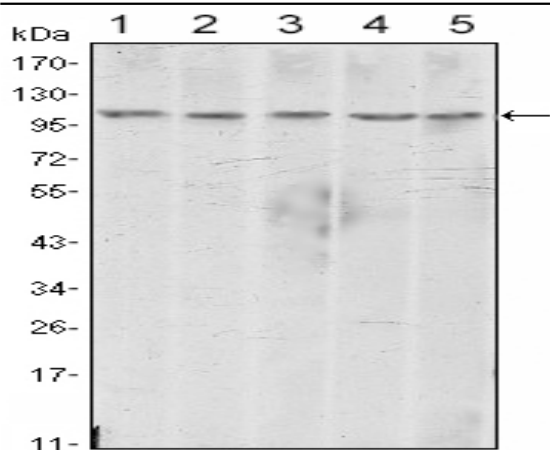
<b>Catalog No :</b>	YM0465
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;FCM;ELISA
<b>Target :</b>	N-cadherin
<b>Fields :</b>	>>Cell adhesion molecules;>>Arrhythmogenic right ventricular cardiomyopathy
<b>Gene Name :</b>	CDH2
<b>Protein Name :</b>	Cadherin-2
<b>Human Gene Id :</b>	1000
<b>Human Swiss Prot No :</b>	P19022
<b>Mouse Gene Id :</b>	12558
<b>Mouse Swiss Prot No :</b>	P15116
<b>Rat Gene Id :</b>	83501
<b>Rat Swiss Prot No :</b>	Q9Z1Y3
<b>Immunogen :</b>	Purified recombinant fragment of human N-cadherin expressed in E. Coli.
<b>Specificity :</b>	N-cadherin Monoclonal Antibody detects endogenous levels of N-cadherin protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	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.

<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Cell Pathway :</b>	Cell adhesion molecules (CAMs);Arrhythmogenic right ventricular cardiomyopathy (ARVC);
<b>P References :</b>	<ol style="list-style-type: none"> <li>1. J Biol Chem. 2007 Mar 16;282(11):8545-56.</li> <li>2. Mol Cell Biochem. 2007 Aug;302(1-2):19-26.</li> <li>3. Urol Oncol. 2010 Mar-Apr;28(2):180-8.</li> </ol>
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	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. .
<b>Expression :</b>	Brain,Epithelium,Liver,

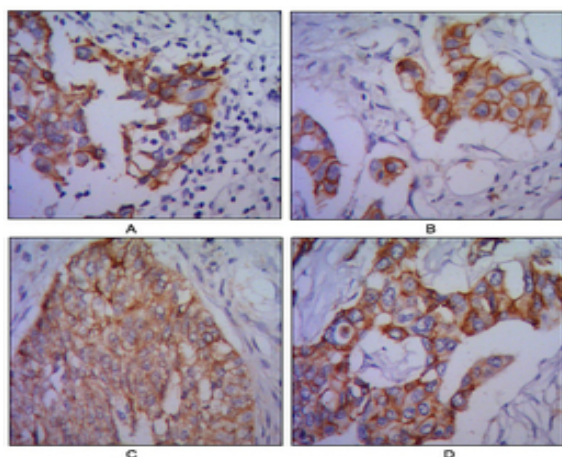
## Products Images



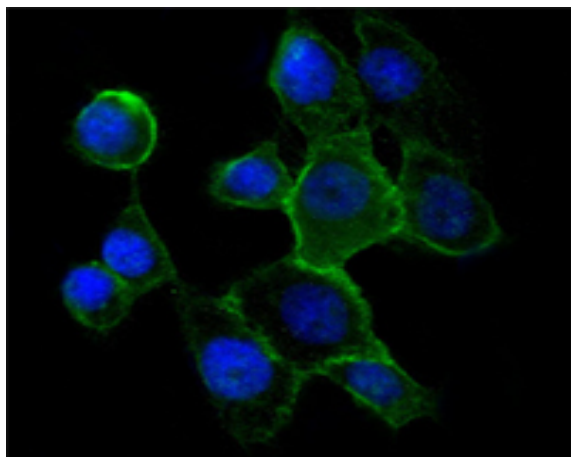
Fusobacterium nucleatum-triggered neutrophil extracellular traps facilitate colorectal carcinoma progression. JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH Liang Duan WB Human 1:1000 HCT116 cell,SW480 cell



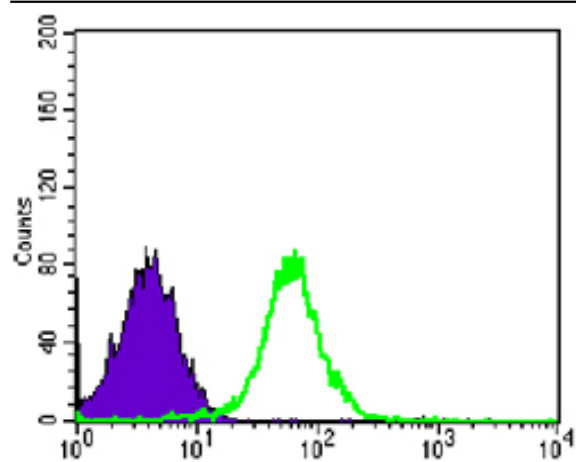
Western Blot analysis using N-cadherin Monoclonal Antibody against A431 (1), NIH/3T3 (2), HeLa (3), C6 (4) and LNCap (5) cell lysate.



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).