

## N-cadherin Polyclonal Antibody

<b>Catalog No :</b>	YT2988
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;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>	The antiserum was produced against synthesized peptide derived from human CDH2. AA range:721-770
<b>Specificity :</b>	N-cadherin Polyclonal 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>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

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<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	100-140kD
<b>Cell Pathway :</b>	Cell adhesion molecules (CAMs);Arrhythmogenic right ventricular cardiomyopathy (ARVC);
<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,

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