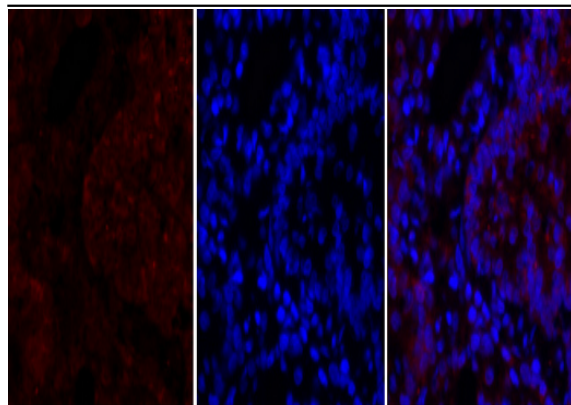


N-cadherin Polyclonal Antibody

Catalog No :	YT2988
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;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 :	The antiserum was produced against synthesized peptide derived from human CDH2. AA range:721-770
Specificity :	N-cadherin Polyclonal Antibody detects endogenous levels of N-cadherin protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

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

Products Images

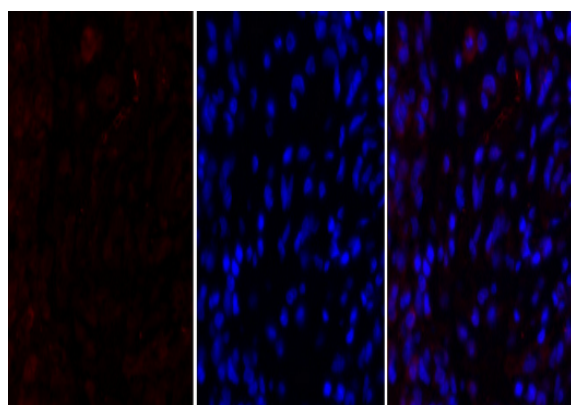


A

B

C

Immunofluorescence analysis of rat-lung tissue. 1,N-cadherin Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

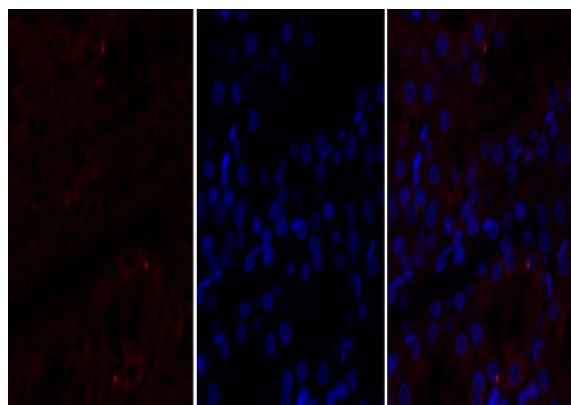


A

B

C

Immunofluorescence analysis of rat-lung tissue. 1,N-cadherin Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

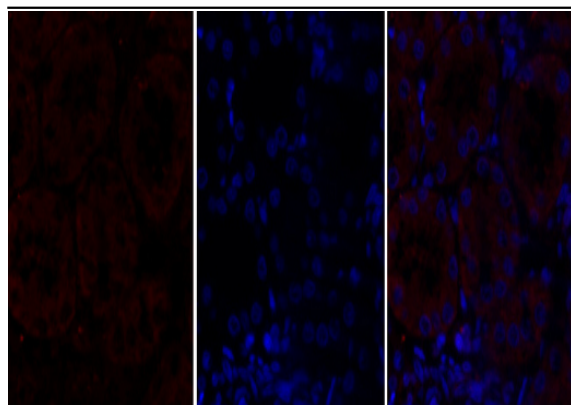


A

B

C

Immunofluorescence analysis of rat-kidney tissue. 1,N-cadherin Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

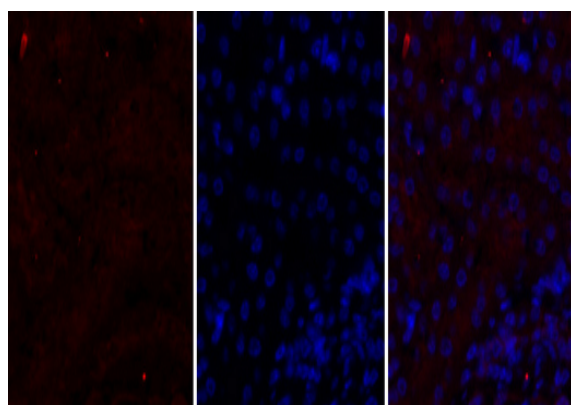


A

B

C

Immunofluorescence analysis of rat-kidney tissue. 1, N-cadherin Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

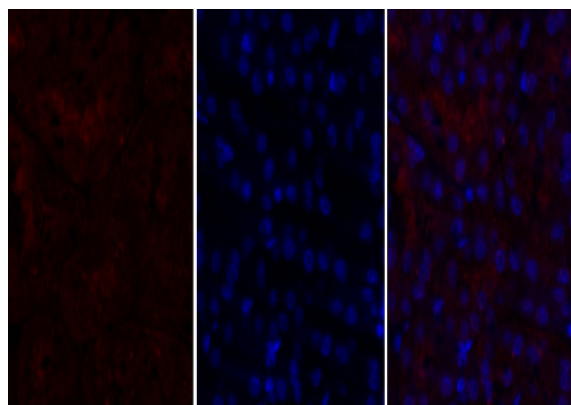


A

B

C

Immunofluorescence analysis of mouse-kidney tissue. 1, N-cadherin Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

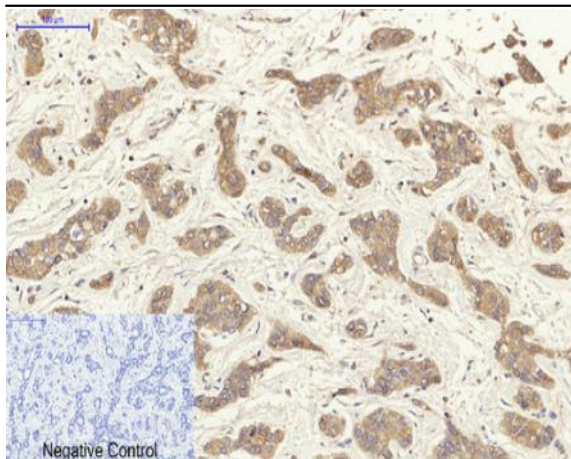


A

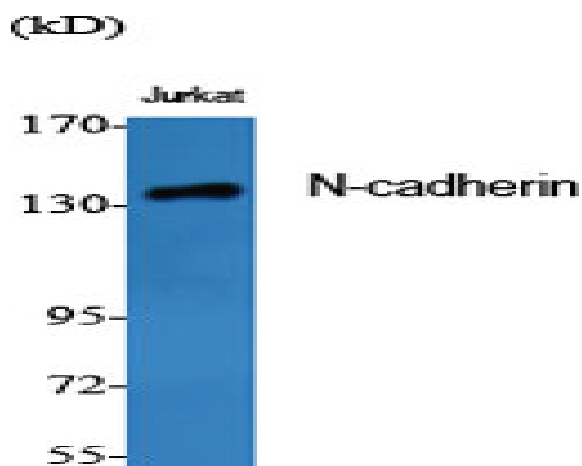
B

C

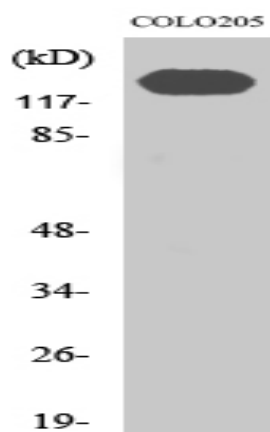
Immunofluorescence analysis of mouse-kidney tissue. 1, N-cadherin Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



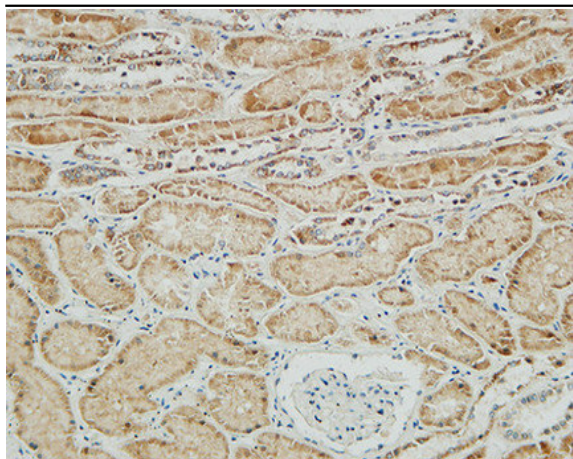
Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1, N-cadherin Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



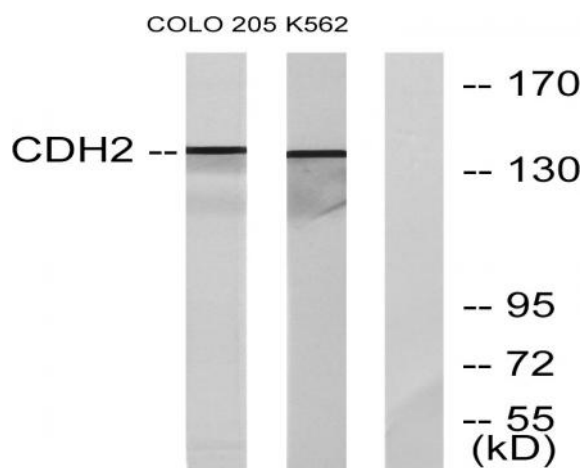
Western Blot analysis of various cells using N-cadherin Polyclonal Antibody diluted at 1:1000



Western Blot analysis of K562 cells using N-cadherin Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysates from COLO205 and K562 cells, using CDH2 Antibody. The lane on the right is blocked with the synthesized peptide.