Best Tools for immunology Research

N-Cadherin (ABT-CDH2) mouse mAb

Catalog No :	YM6590
Reactivity :	Human;Mouse;(predicted: Rat)
Applications :	WB; IHC;ELISA
Target :	N-Cadherin
Fields :	>>Cell adhesion molecules;>>Arrhythmogenic right ventricular cardiomyopathy
Gene Name :	CDH2 CDHN NCAD
Protein Name :	Cadherin-2 (CDw325) (Neural cadherin) (N-cadherin) (CD antigen CD325)
Human Gene Id :	1000
Human Swiss Prot No :	P19022
Immunogen :	Synthesized peptide derived from human N-Cadherin AA range: 200-400
Specificity :	This antibody detects endogenous levels of human N-Cadherin. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Mouse, Monoclonal/IgG2b, Kappa
Dilution :	IHC 1:200-400,WB 1:500-2000, ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	100kD
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

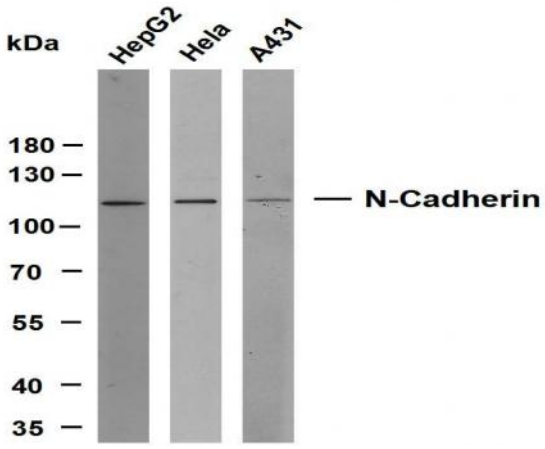
Sort : 800

No4 : 1

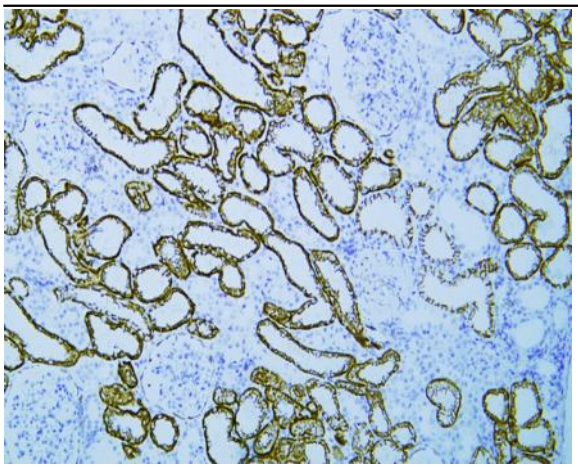
Host : Mouse

Modifications : Unmodified

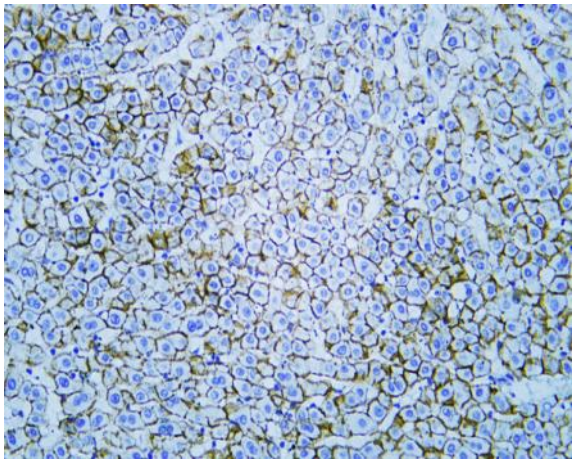
Products Images



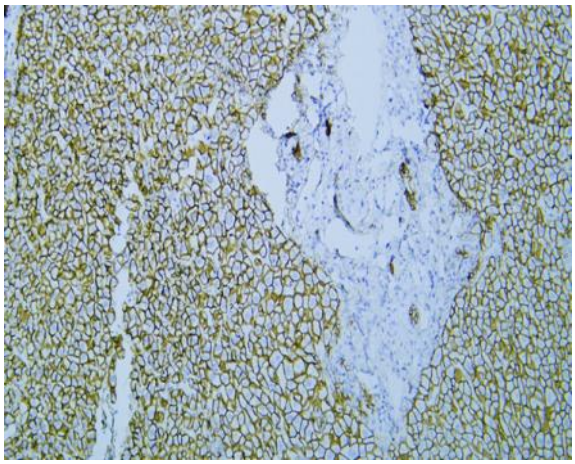
Various whole cell lysates were separated by 8% SDS-PAGE, and the membrane was blotted with anti-N-Cadherin(ABT-CDH2) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: Hela Lane 3: A431 Predicted band size: 100kDa Observed band size: 110kDa



Human Kidney tissue was stained with Anti-N-Cadherin (ABT-CDH2) Antibody



Human liver tissue was stained with Anti-N-Cadherin (ABT-CDH2) Antibody



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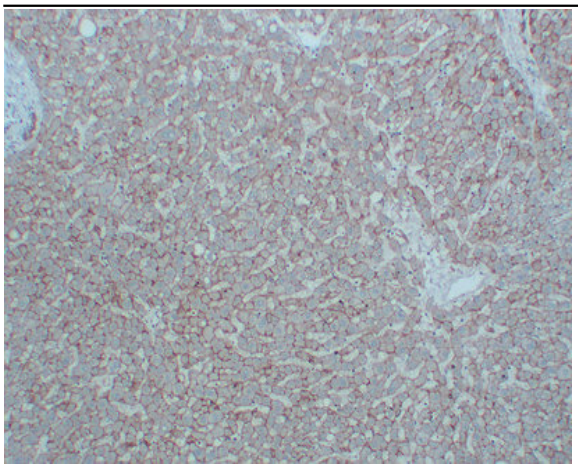
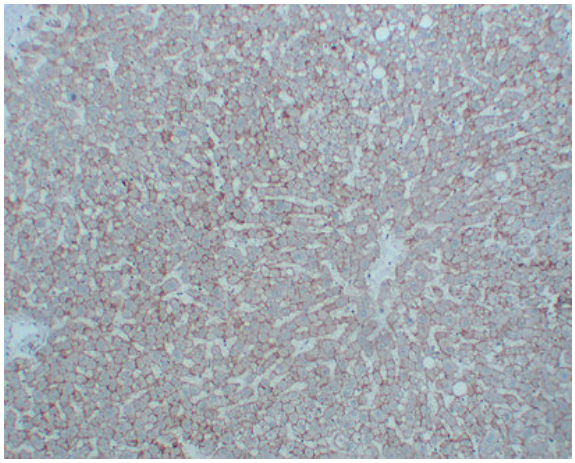


Immunohistochemical analysis of paraffin-embedded Liver. 1, Antibody was diluted at 1:200(4° overnight). 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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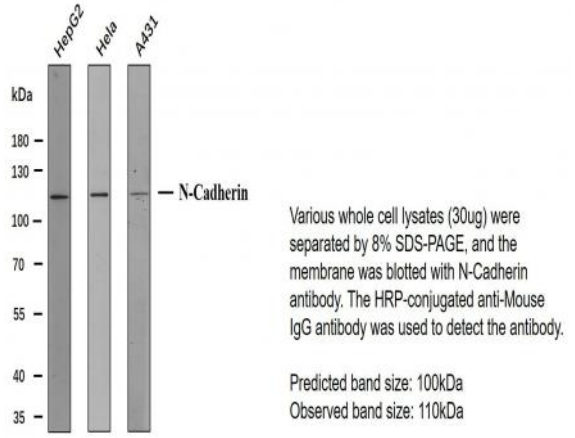
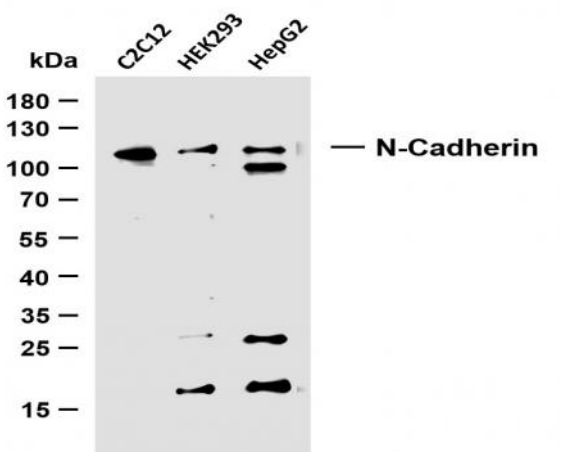


Western blot analysis of N-CadherinAntibody at 1:1000 dilution.



Various whole cell lysates were separated by 15% SDS-PAGE, and the membrane was blotted with anti-N-Cadherin (ABT-CDH2) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: C2C12 Lane 2: HEK293 Lane 2: HepG2 Predicted band size: 100kDa Observed band size: 110kDa