

# [KO Validated] N-Cadherin Rabbit mAb

Catalog No.: A19083 **KO Validated** **Recombinant** **75 Publications**

## Basic Information

### Observed MW

140kDa

### Calculated MW

100kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0371

## 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.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

1000

### Swiss Prot

P19022

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human N Cadherin (P19022).

### Synonyms

CDHN; NCAD; ACOGS; ADHD8; CD325; ARVD14; CDw325; in

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

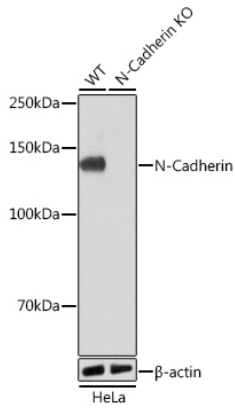
Affinity purification

### Storage

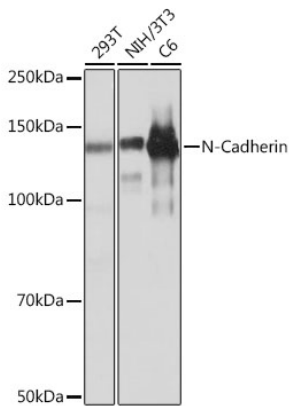
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

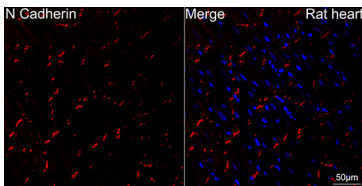
## Validation Data



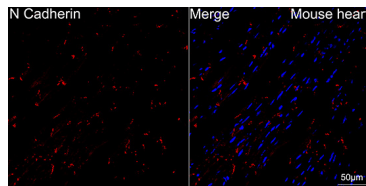
Western blot analysis of lysates from wild type (WT) and N-Cadherin knockout (KO) HeLa cells, using [KO Validated] N-Cadherin Rabbit mAb (A19083) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 1min.



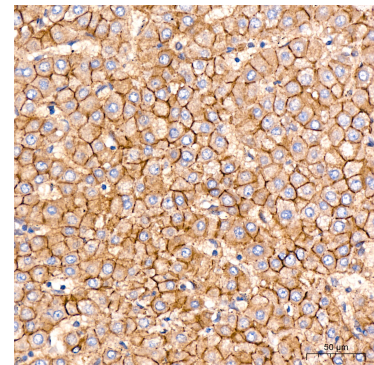
Western blot analysis of various lysates using [KO Validated] N-Cadherin Rabbit mAb (A19083) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 1min.



Confocal imaging of paraffin-embedded rat heart using [KO Validated] N-Cadherin Rabbit mAb (A19083, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



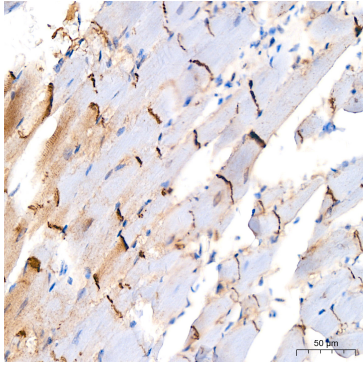
Confocal imaging of paraffin-embedded Mouse heart using [KO Validated] N-Cadherin Rabbit mAb (A19083, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



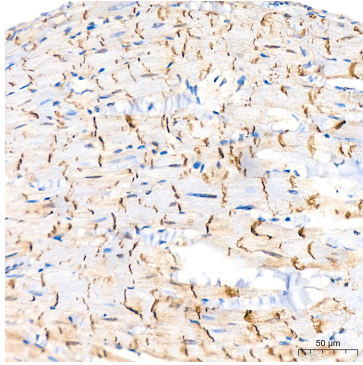
Immunohistochemistry analysis of N-Cadherin in paraffin-embedded human liver tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

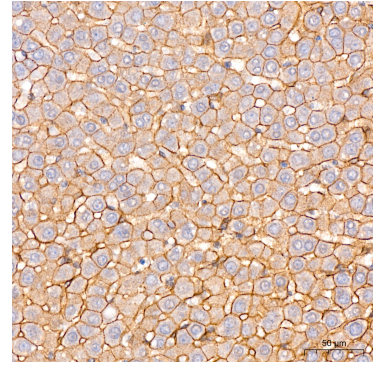
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Immunohistochemistry analysis of N-Cadherin in paraffin-embedded mouse heart tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of N-Cadherin in paraffin-embedded rat heart tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of N-Cadherin in paraffin-embedded rat liver tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.