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# N-Cadherin Rabbit pAb

**Catalog No.: A3045SP** 47 Publications

## Basic Information

**Observed MW**
140 kDa

**Calculated MW**
100 kDa/97 kDa

**Category**
Primary antibody

**Applications**
WB,IF-F,IF-P,IHC-P,ELISA

**Cross-Reactivity**
Human, Mouse, Rat

## 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

| | |
|---|---|
| **WB** | 1:5000 - 1:20000 |
| **IF-F** | 1:200 - 1:800 |
| **IF-P** | 1:100 - 1:800 |
| **IHC-P** | 1:2000 - 1:8000 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)a sequential dilution method is strongly recommended to ensure measurement accuracy. |

## Immunogen Information

**Gene ID**
1000

**Swiss Prot**
P19022

**Immunogen**
This information is considered to be commercially sensitive.

**Synonyms**
CDHN; NCAD; ACOGS; ADHD8; CD325; ARVD14; CDw325; N-Cadherin

## Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃

## Contact


400-999-6126

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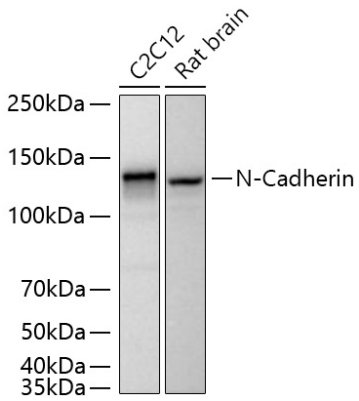
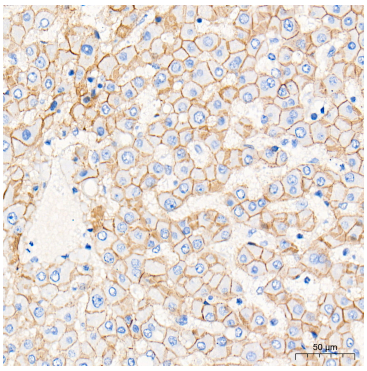
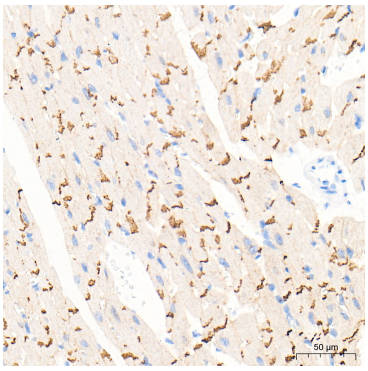
## Validation Data



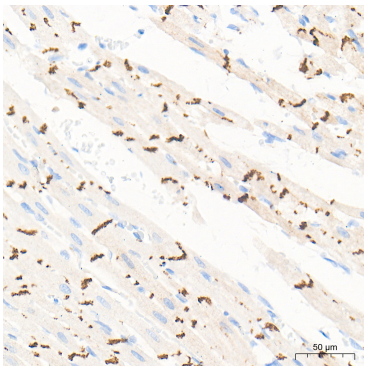

Western blot analysis of various lysates using N-Cadherin Rabbit pAb (A3045SP) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



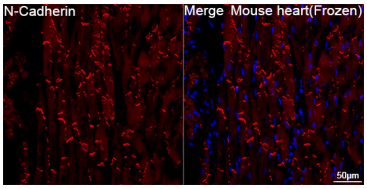
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using N-Cadherin Rabbit pAb (A3045SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



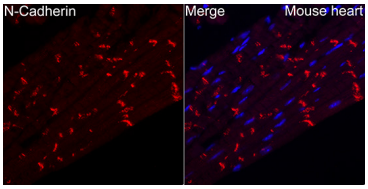
Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using N-Cadherin Rabbit pAb (A3045SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



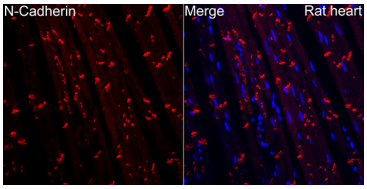
Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using N-Cadherin Rabbit pAb (A3045SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.




Confocal imaging of frozen sections of Mouse heart tissue using N-Cadherin Rabbit pAb (A3045SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.




Immunofluorescence analysis of Mouse heart tissue using N-Cadherin Rabbit pAb (A3045SP) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.




Confocal imaging of paraffin-embedded Rat heart tissue using N-Cadherin Rabbit pAb (A3045SP, dilution 1:100) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.