N-Cadherin Rabbit pAb

Catalog NO.: A3045SP **47 Publications**

Basic Information

Observed MW
140 kDa

Calculated MW
100 kDa/97 kDa

Category
Polyclonal Antibodies

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

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

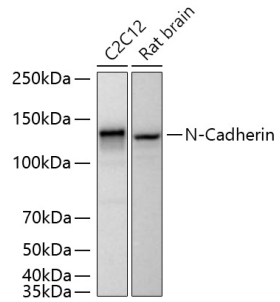
Source
Rabbit

Isotype
IgG

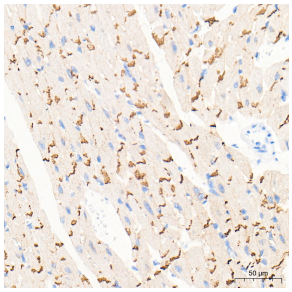
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

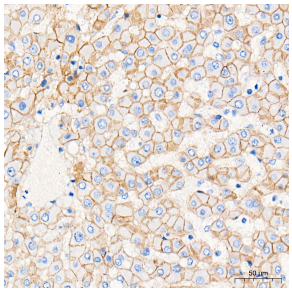
Validation Data



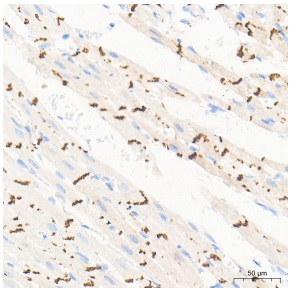
Western blot analysis of various lysates using N-Cadherin Rabbit pAb (A3045SP) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



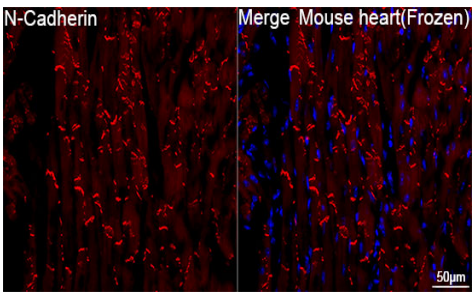
Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using N-Cadherin Rabbit pAb (A3045SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

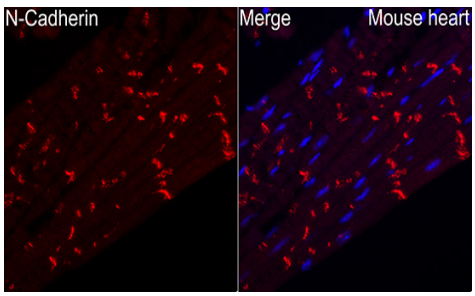


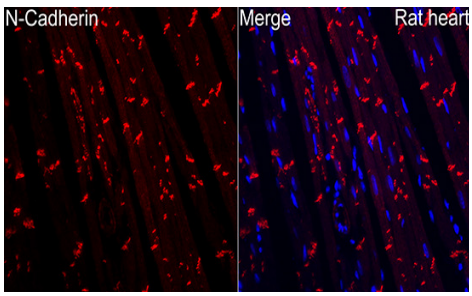
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using N-Cadherin Rabbit pAb (A3045SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded 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.

Antibody | Protein | ELISA Kit | Enzyme | NGS | Service
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