Leader in Biomolecular Solutions for Life Science

www.abclonal.com

[KO Validated] N-Cadherin Rabbit mAb

Catalog No.: A19083 KO Validated Recombinant 132 Publications

Basic Information

Observed MW
140 kDa

Calculated MW
100 kDa

Category
Primary antibody

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

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

WB	1:1000 - 1:2000
IF-P	1:50 - 1:200
IHC-P	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1000

Swiss Prot
P19022

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

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

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

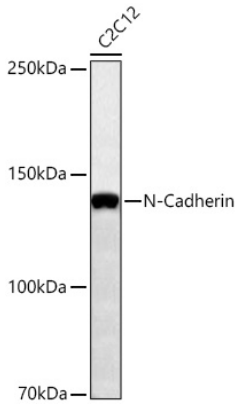
Source
Rabbit

Isotype
IgG

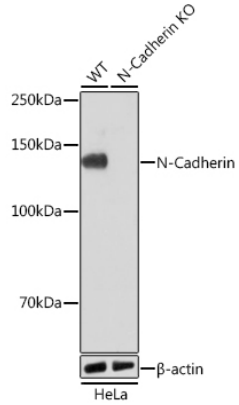
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

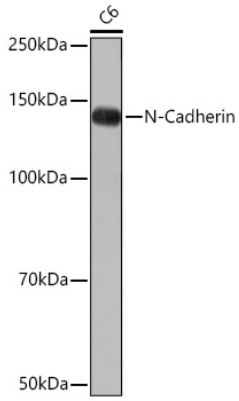
Validation Data



Western blot analysis of lysates from C2C12 cells using [KO Validated] N-Cadherin Rabbit mAb (A19083) at 1:1000 dilution incubated overnight at 4℃.
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: 60s.

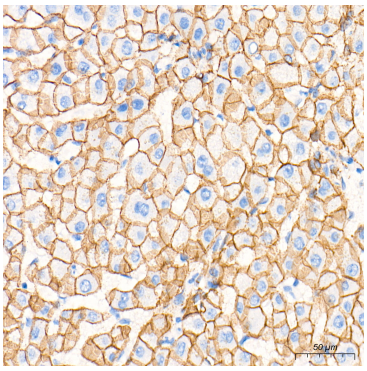


Western blot analysis of lysates from wild type (WT) and N-Cadherin knockout (KO) HeLa cells using [KO Validated] N-Cadherin Rabbit mAb (A19083) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1min.

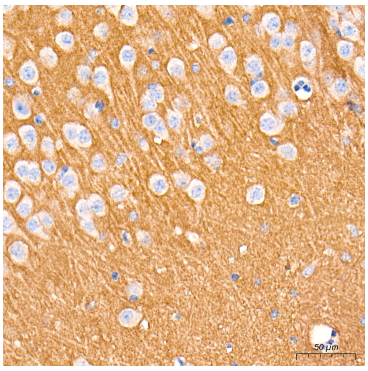


Western blot analysis of lysates from C6 cells using [KO Validated] N-Cadherin Rabbit mAb (A19083) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

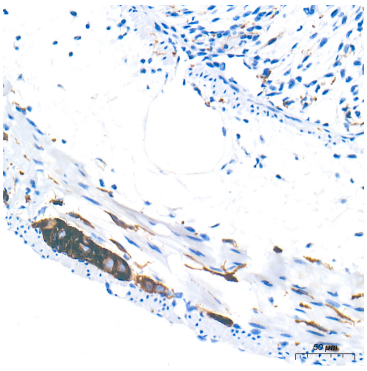
Validation Data



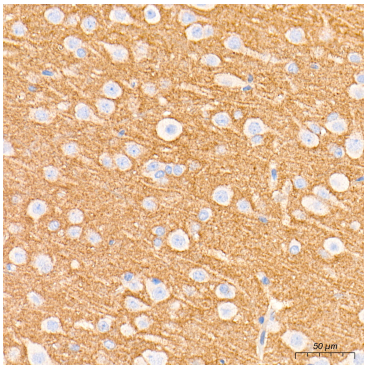
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



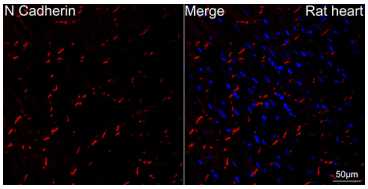
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



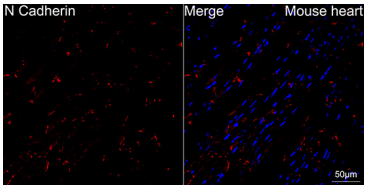
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using [KO Validated] N-Cadherin Rabbit mAb (A19083) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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. High pressure antigen retrieval performed 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. High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining.