

[KO Validated] N-Cadherin Monoclonal Antibody

CAB19083

Description

This [KO Validated] N-Cadherin Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB19083

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Monoclonal Antibody

Synonyms: CDHN, NCAD, ACOGS, ADHD8, CD325, ARVD14, CDw325, in

Clone: ARC0371

Applications: WB IHC-P ELISA IF-P

Conjugation: Unconjugated

Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 1000

Uniprot: AB_2862575

Host Species: Rabbit

Purification: Affinity purification

Observed MW: 140 kDa

Calculated MW: 100 kDa

Preparation & Storage

Storage: Store at -20°C. 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.

Store Bradford Reagent at Room Temperature for 1 Year.

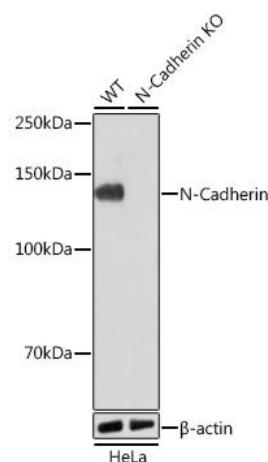
Positive Sample: HeLa, C2C12, C6

Recommended Dilutions:

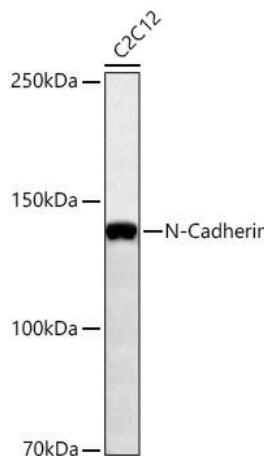
WB	1:1000 - 1:2000
IF-P	1:50 - 1:200
IHC-P	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

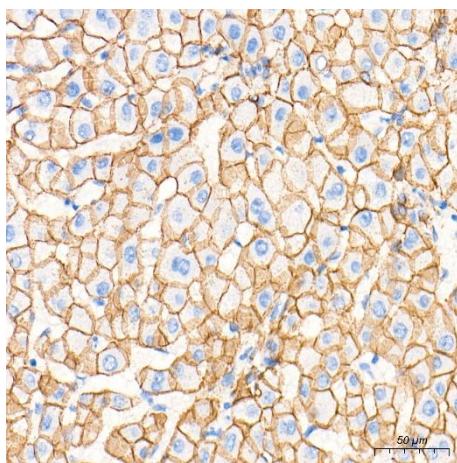
Validation Data



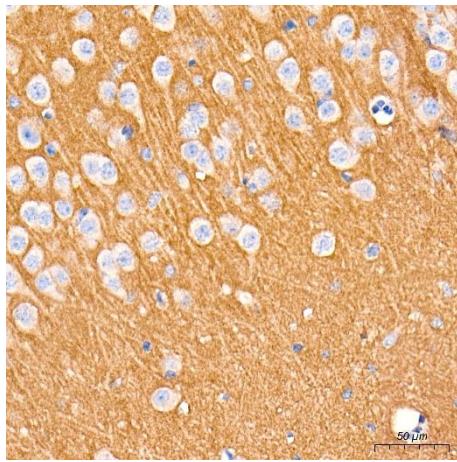
Western blot analysis of lysates from wild type (WT) and N-Cadherin knockout (KO) HeLa cells using [KO Validated] N-Cadherin Rabbit mAb (CAB19083) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1min.



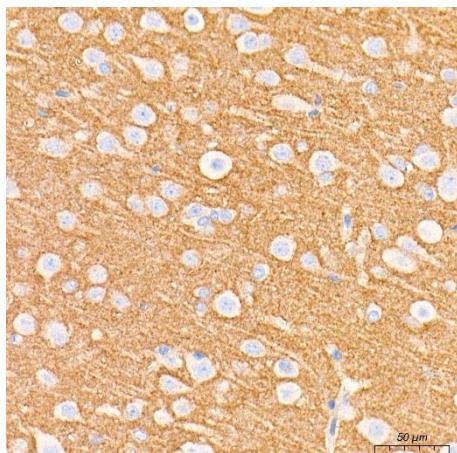
Western blot analysis of lysates from C2C12 cells using [KO Validated] N-Cadherin Rabbit mAb (CAB19083) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



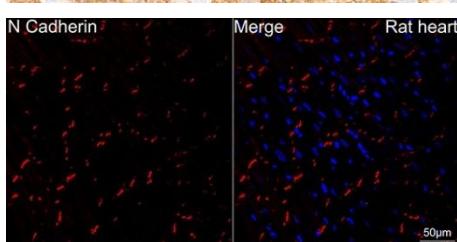
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KO Validated] N-Cadherin Rabbit mAb (CAB19083) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



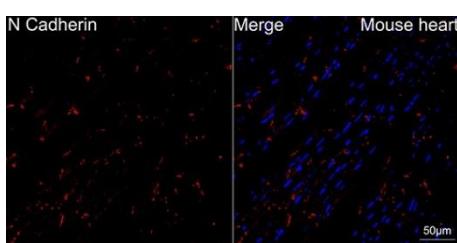
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] N-Cadherin Rabbit mAb (CAB19083) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using [KO Validated] N-Cadherin Rabbit mAb (CAB19083) 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 (CAB19083, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, 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 (CAB19083, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, 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.