

Rabbit N-Cadherin Monoclonal Antibody | anti-CDH2 antibody

[KO Validated] N-Cadherin Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282010	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

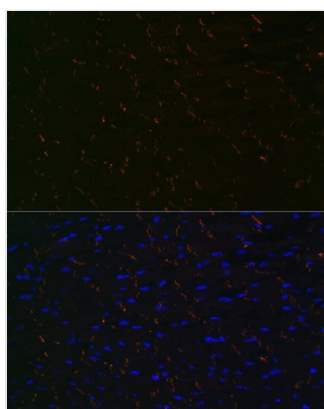
PRODUCT SYNONYMS

N-Cadherin; Monoclonal Antibody; [KO Validated] N-Cadherin Rabbit mAb; CD325; CDHN; CDw325; NCAD; N Cadherin; CDH2; anti-CDH2 antibody

PRODUCT SPECIFICATIONS

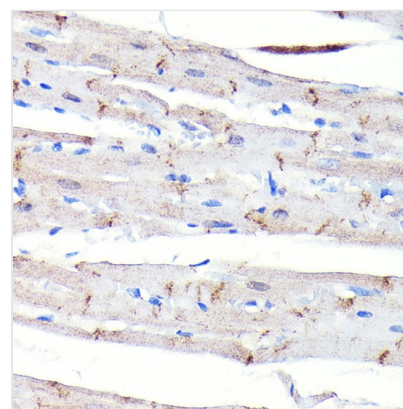
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-CDH2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human N Cadherin
Cellular Location	Cell membrane, Single-pass type I membrane protein
Positive Samples	HeLa, 293T, NIH/3T3, C6
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



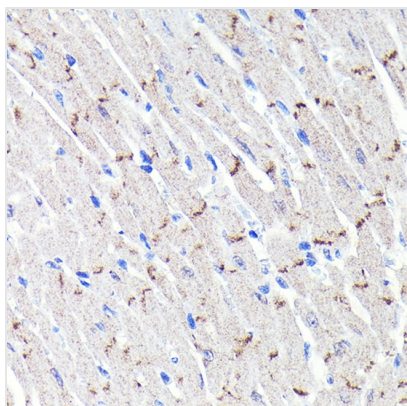
IF (Immunofluorescence)

Immunofluorescence analysis of mouse heart using N-Cadherin Rabbit mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



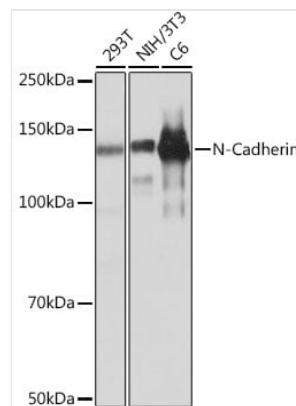
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using N-Cadherin Rabbit mAb at dilution of 1:100 (40x lens).



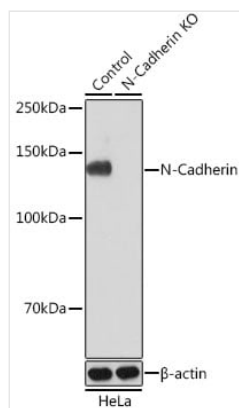
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse heart using N-Cadherin Rabbit mAb at dilution of 1:100 (40x lens).



WB (Western Blot)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CDH2 antibody

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. [provided by RefSeq, Nov 2015]

Product Categories/Family for anti-CDH2 antibody

Cancer; Invasion and Metastasis; Research; Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Research; Cell Biology & Developmental Biology; Cell Adhesion; Cadherins; Research; Cell Biology & Developmental Biology; Cell Adhesion; Tight Junction

NCBI AND UNIPROT INFORMATION

NCBI GI #	14589889
NCBI GeneID	1000
NCBI Accession #	NP_001783.2
NCBI GenBank Nucleotide #	NM_001792.3
UniProt Accession #	P19022; Q14923; Q8N173; B0YIY6
Molecular Weight	99,809 Da

NCBI Official Full Name	cadherin-2 preproprotein
NCBI Official Synonym Full Names	cadherin 2, type 1, N-cadherin (neuronal)
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
NCBI Protein Information	cadherin-2; N-cadherin 1; neural cadherin; neural-cadherin; cadherin 2, N-cadherin (neuronal); calcium-dependent adhesion protein, neuronal
UniProt Protein Name	Cadherin-2
UniProt Gene Name	CDH2
UniProt Synonym Gene Names	CDHN; NCAD; N-cadherin
UniProt Entry Name	CADH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/n-cadherin-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/282010>