

Rabbit anti-Human N-Cadherin/Cadherin-2/CD325 (NCAD) Monoclonal Antibody | anti-CDH2 antibody

N-Cadherin/Cadherin-2/CD325 (NCAD)

CATALOG # AAA215388	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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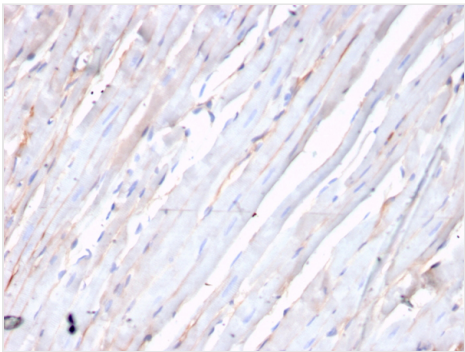
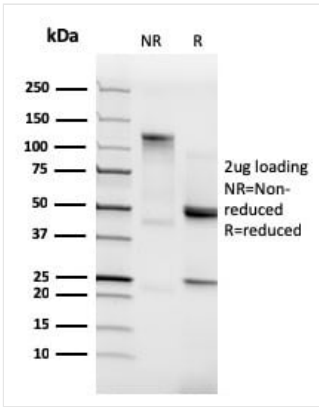
PRODUCT SYNONYMS

N-Cadherin/Cadherin-2/CD325 (NCAD); Monoclonal Antibody; Cadherin-2 N cadherin neuronal; Cadherin-2 type 1; Cadherin-2; Calcium dependent adhesion protein neuronal; CD325; CDH2; CDHN; CDw325; N-Cadherin; NCAD; anti-CDH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	CDH2/3874R
Specificity	Recognizes a protein of ~140kDa, identified as N-Cadherin (NCAD), also known as CD325. NCAD is a member of the Cadherin superfamily, and consists of five extracellular repeats, a transmembrane domain and a cytoplasmic domain. CD325 deficient mice die at day 10 of gestation and embryos display major heart defects and malformed neural tubes and somites. Consistent with this, CD325 has been implicated in several aspects of cardiac development including the precardiac mesoderm, establishment of left-right symmetry and cardiac looping morphogenesis. Furthermore, CD325 is normally involved in inducing cell cycle arrest and its expression is frequently deregulated in cancer cells. Studies have linked N-cadherin to cancer metastasis by showing the aggressive tumor cells had preferentially turned on N-cadherin as opposed to E- or P-cadherin.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	906
Applicable Applications for anti-CDH2 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length Human CDH2 protein
Cellular Localization	Cell Surface
Antibody Type	Recombinant Antibody
Hu-chromosome Location	18q11.2
Positive Control	Human heart, Pancreas or Cerebral cortex (IHC).
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human heart stained with N-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH2/3874R).

SDS-PAGE
SDS-PAGE Analysis Purified N-Cadherin Recombinant Rabbit Monoclonal (CDH2/3874R).
Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Wahl, JK III et al.N-cadherin-catenin complexes form prior to cleavage of the proregion and transport to the plasma membrane. J Biol Chem. 2003, 278(19):17269-76
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14589889
NCBI GeneID	1000
NCBI Accession #	NP_001783.2
NCBI GenBank Nucleotide #	NP_001783.2
UniProt Accession #	P19022
Molecular Weight	130-140kDa
NCBI Official Full Name	cadherin-2 isoform 1 preproprotein
NCBI Official Synonym Full Names	cadherin 2
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
NCBI Protein Information	cadherin-2
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.