

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

N-Cadherin/Cadherin-2/CD325 (NCAD) Rat Monoclonal Antibody [Clone MNCD2]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215506	Rat	Human, Mouse and Chick	Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay

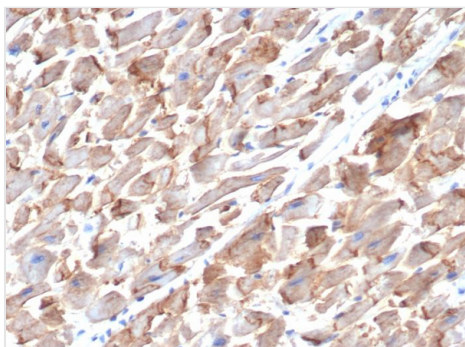
PRODUCT SYNONYMS

N-Cadherin/Cadherin-2/CD325 (NCAD); Monoclonal Antibody; N-Cadherin/Cadherin-2/CD325 (NCAD) Rat Monoclonal Antibody [Clone MNCD2]; 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

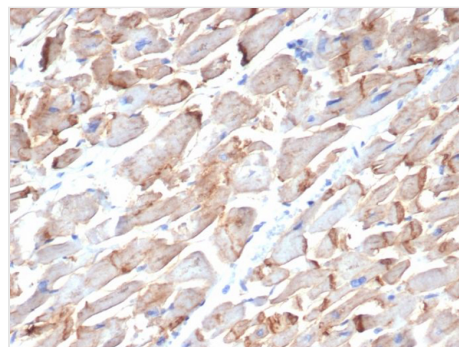
PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human, Mouse and Chick
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MNCD2
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.
Applicable Applications for anti-CDH2 antibody	IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant fragment (aa308-597) around mouse CDH2. The epitope is the extracellular domain of N-cadherin.
Cellular Localization	Cell surface
Positive Control	Human heart, pancreas or cerebral cortex (IHC).
Hu-chromosome Location	18q11.2
Unigene	464829
Preparation and Storage	Antibody with azide: store at 2 to 8°C Non-hazardous. No MSDS required.

IMAGES


IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human heart stained with N-Cadherin Rat Monoclonal Antibody (MNCD2).


IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human heart stained with N-Cadherin Rat Monoclonal Antibody (MNCD2).

ADDITIONAL INFORMATION

Related Product Information for anti-CDH2 antibody	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.
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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	99.76 kDa
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.