

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

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62743	Mouse	Human, Mouse. Others not known.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

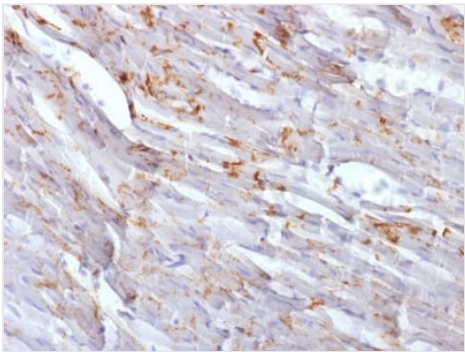
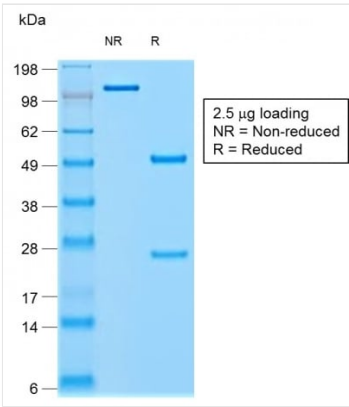
PRODUCT SYNONYMS

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-NCAD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CDH2/1573
Specificity	Recognizes a protein of ~140kDa, identified as N-Cadherin (NCAD), also known as CD325. N-cadherin is a 140 kDa protein belonging to a family of transmembrane molecules that mediate calcium-dependent intercellular adhesion. Cadherins are involved in controlling morphogenetic movements during development and regulate cell surface adhesion through homotypic adhesion with the same cadherin species. Expression of N-cadherin has been reported on a variety of normal tissues including neuronal, endothelial and muscle cells, and a subpopulation of early hematopoietic progenitor cells. Results aid in the classification of malignant non-carcinomatous neoplasms including mesotheliomas, chordomas, synovial sarcomas, malignant melanomas, epithelioid sarcomas, epithelioid angiosarcomas, clear cell sarcomas as well as serous and endometrioid tumors of the ovary have been demonstrated to be N-cadherin positive, whereas mucinous tumors are negative. Other N-cadherin-positive neoplasms include renal cell carcinomas and some variant breast tumors, including medullary breast carcinomas and sarcomatoid metaplastic breast carcinomas.
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	875
Applicable Applications for anti-NCAD antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human CDH2 intracellular domain
Cellular Localization	Cell Surface
Hu-chromosome Location	18q11.2
Positive Control	HeLa or HUVEC cells. Heart, Pancreas or Cerebral Cortex
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 Mouse Heart stained with N-Cadherin Monoclonal Antibody (CDH2/1573).

SDS-PAGE
SDS-PAGE Analysis of Purified Chromogranin A Mouse Recombinant Monoclonal Antibody (rCHGA/798).

ADDITIONAL INFORMATION

References	Han AC, Peralta Soler A, Knudsen KA, Wheelock MJ, Johnson KR, Salazar H. Differential expression of N-cadherin in pleural mesotheliomas and E-cadherin in lung adenocarcinomas in formalin-fixed, paraffin-embedded tissues. Hum Pathol. 1997; 28(6):641
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NCBI AND UNIPROT INFORMATION

NCBI GI #	815890961
NCBI GeneID	1000
NCBI Accession #	NP_001295105.1
NCBI GenBank Nucleotide #	NM_001308176.1
UniProt Accession #	P19022; Q14923; Q8N173; A8MWK3; B0YIY6
Molecular Weight	130-140kDa
NCBI Official Full Name	cadherin-2 isoform 2
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

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.