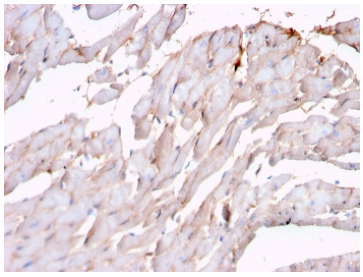
N-Cadherin Antibody / CDH2 / CD325 [clone rCDH2/1426] (V8422)

Catalog No.	Formulation	Size
V8422-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8422-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8422SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

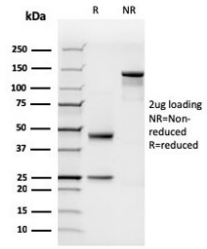
Recombinant MOUSE MONOCLONAL

Bulk quote request

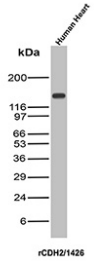
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCDH2/1426
Purity	Protein G affinity chromatography
UniProt	P19022
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT Western blot: 2-4ug/ml
Limitations	This N-Cadherin antibody is available for research use only.



N-Cadherin Antibody Human Heart Tissue IHC. Immunohistochemistry staining of FFPE human heart with recombinant N-Cadherin antibody (clone rCDH2/1426). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant N-Cadherin antibody (clone rCDH2/1426) as confirmation of integrity and purity.



N-Cadherin Antibody Tissue WB. Western blot analysis of N-Cadherin / CDH2 expression in human heart tissue lysate using N-Cadherin antibody clone rCDH2/1426. Lane 1: human heart lysate. A band is detected at approximately 120-135 kDa, consistent with the predicted molecular weight of N-Cadherin (CDH2), with the slightly higher apparent migration reflecting known glycosylation of this transmembrane adhesion protein. The strong signal in cardiac tissue is consistent with the established role of N-Cadherin in mediating cardiomyocyte cell-cell adhesion at intercalated discs.

Description

N-Cadherin Antibody recognizes a protein of ~140kDa, identified as N-Cadherin (NCAD), also known as CD325 and CDH2. 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.

For additional information on Cadherin 2/N-Cadherin and its roles in cell-cell adhesion, epithelial-mesenchymal transition, and cancer biology, see our Cadherin 2 Antibody / CDH2 page.

Application Notes

Optimal dilution of the N-Cadherin antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant N-Cadherin antibody.

Storage

Store the N-Cadherin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.