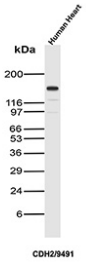
Cadherin 2 Antibody / N-Cadherin / CDH2 [clone CDH2/9491] (V5633)

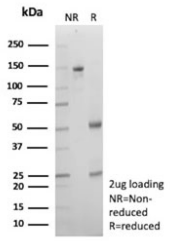
Catalog No.	Formulation	Size
V5633-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5633-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5633SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

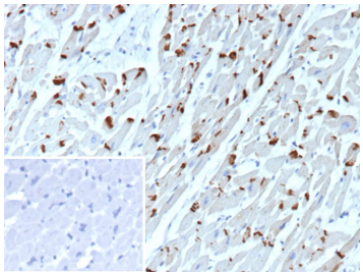
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CDH2/9491
Purity	Protein G affinity
UniProt	P19022
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This Cadherin 2 antibody is available for research use only.



Cadherin 2 Antibody Heart Tissue WB. Western blot analysis of N-Cadherin / CDH2 expression in human heart tissue lysate using Cadherin 2 antibody clone CDH2/9491. Lane 1: human heart lysate. A strong band is detected at approximately 120-135 kDa, consistent with the predicted molecular weight of N-Cadherin (CDH2), with the higher apparent migration reflecting known glycosylation of this adhesion protein. A faint lower band is also observed, which may represent partial proteolytic processing or degradation. The robust signal in cardiac tissue is consistent with the established role of N-Cadherin in cardiomyocyte adhesion and intercalated disc formation.



SDS-PAGE analysis of purified, BSA-free Cadherin 2 antibody (clone CDH2/9491) as confirmation of integrity and purity.



Cadherin 2 Antibody Heart Tissue IHC. Immunohistochemical analysis of N-Cadherin / CDH2 expression in formalin-fixed, paraffin-embedded human heart tissue using Cadherin 2 antibody clone CDH2/9491. Predominantly membranous staining is observed along cardiomyocyte cell-cell junctions, with additional cytoplasmic signal in cardiac muscle fibers, consistent with localization at intercalated discs. The staining pattern highlights the structural role of N-Cadherin in maintaining cardiac tissue integrity. The inset shows a negative control with PBS used in place of the primary antibody, confirming minimal non-specific background. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Cadherin 2 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 has been implicated in several aspects of cardiac development including the precardiac mesoderm, establishment of left-right symmetry and cardiac looping morphogenesis.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the Cadherin 2 antibody should be determined by the researcher.

Immunogen

A recombinant human Cadherin 2 partial protein from the cytoplasmic domain was used as the immunogen for the Cadherin 2 antibody.

Storage

Aliquot the Cadherin 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com