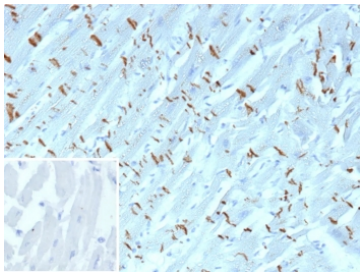
Cadherin 2 Antibody / CDH2 / N-Cadherin [clone CDH2/9489] (V5631)

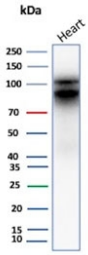
Catalog No.	Formulation	Size
V5631-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5631-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5631SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

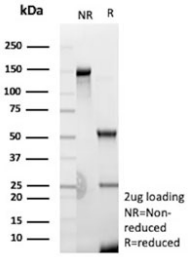
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CDH2/9489
Purity	Protein G affinity
UniProt	P19022
Localization	Cell surface, Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This Cadherin 2 antibody is available for research use only.



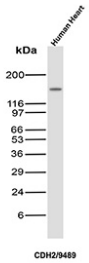
Cadherin 2 Antibody Human Heart Tissue IHC. Immunohistochemistry staining of FFPE human heart tissue with Cadherin 2 antibody (clone CDH2/9489). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human heart tissue lysate with Cadherin 2 antibody (clone CDH2/9489). Predicted molecular weight ~100 kDa (unmodified), 125-140 kDa (modified).



SDS-PAGE analysis of purified, BSA-free Cadherin 2 antibody (clone CDH2/9489) as confirmation of integrity and purity.



Cadherin 2 Antibody Tissue WB. Western blot analysis of N-Cadherin / CDH2 expression in human heart tissue lysate using Cadherin 2 antibody clone CDH2/9489. 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 higher apparent migration reflecting known glycosylation of this membrane adhesion protein. The strong signal in heart tissue is expected given the established role of N-Cadherin in cardiomyocyte cell-cell adhesion and intercalated disc organization.

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.

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 Cadherin 2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 400-600 from human Cadherin 2 protein 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.

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