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

Rabbit Monoclonal Antibody [Clone CDH2/7070R]

Catalog No	Format	Size
1000-RBM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1000-RBM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1000-RBM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

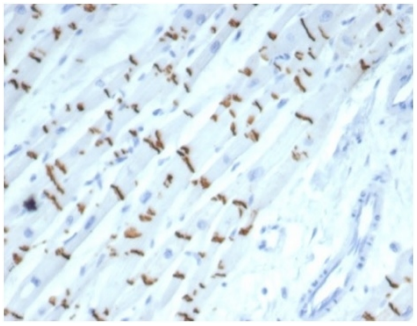
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

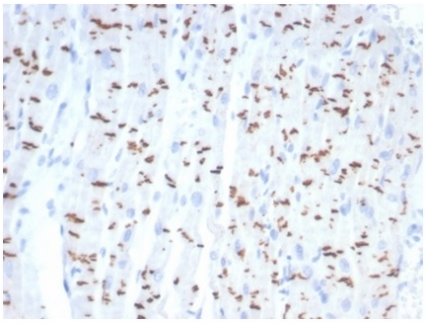
Clone	CDH2/7070R
Gene Name	CDH2
Immunogen	Recombinant full-length human CDH2 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	130-140kDa
Cellular Localization	Cell junction, Cell membrane, Cell surface, Sarcolemma
Species Reactivity	Human
Positive Control	Human heart, pancreas or cerebral cortex (IHC).

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant N-Cadherin / Cadherin-2 / CD325 (NCAD) Antibody



Formalin-fixed, paraffin-embedded human heart stained with N-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH2/7070R). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



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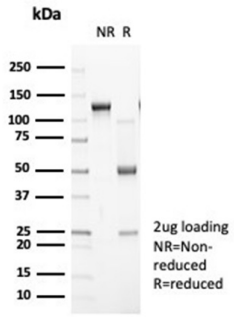

SDS-PAGE Analysis of Purified N-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH2/7070R). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Mesenchymal Stem Cell Differentiation

Limitations and Warranty