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

Mouse Monoclonal Antibody [Clone CDH2/1573]

Catalog No	Format	Size
1000-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1000-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1000-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

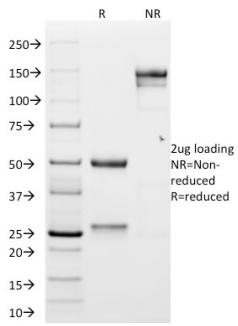
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

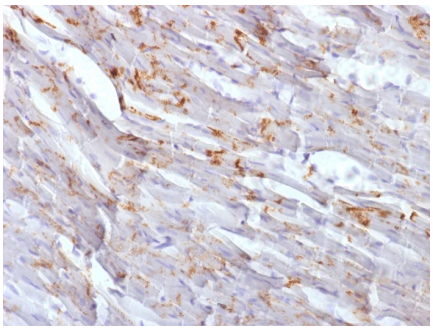
Clone	CDH2/1573
Gene Name	CDH2
Immunogen	Recombinant human CDH2 intracellular domain
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	130-140kDa
Cellular Localization	Cell junction, Cell membrane, Cell surface, Sarcolemma
Species Reactivity	Human, Mouse
Positive Control	HeLa or HUVEC cells. Heart, Pancreas or Cerebral Cortex.

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

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



SDS-PAGE Analysis of Purified N-Cadherin Mouse Monoclonal Antibody (CDH2/1573). Confirmation of Integrity and Purity of Antibody.



Formalin-fixed, paraffin-embedded Mouse Heart stained with N-CadherinMouse Monoclonal Antibody (CDH2/1573).

Specificity & Comments

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.

Supplied As

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.

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

Autophagy, Cardiovascular, Developmental Biology, Mesenchymal Stem Cell Differentiation

Limitations and Warranty