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

Mouse Monoclonal Antibody [Clone rCDH2/1426]

Catalog No	Format	Size
1000-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1000-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1000-MSM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

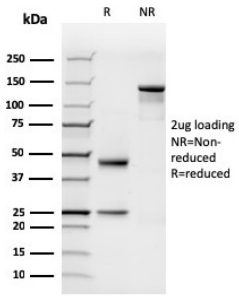
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

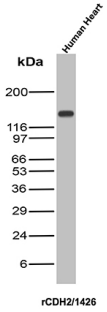
Clone	rCDH2/1426
Immunogen	Recombinant fragment corresponding to the extracellular domain of the human N-Cadherin protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	99.81kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Cell surface, Desmosome, Sarcolemma
Species Reactivity	Human

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

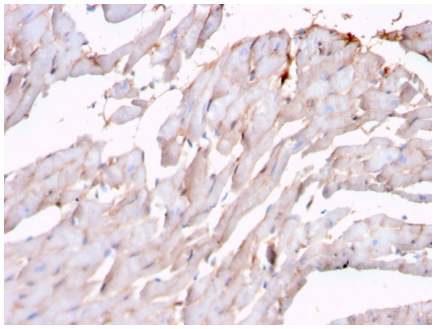
Product Images for Recombinant N-Cadherin / Cadherin-2 / CD325 (NCAD) Antibody



SDS-PAGE Analysis of Purified N-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH2/1426). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of human heart tissue lysate using N-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH2/1426).



Formalin-fixed, paraffin-embedded human heart stained with N-Cadherin Recombinant Mouse Monoclonal Antibody (rCDH2/1426).

Specificity & Comments

Calcium-dependent cell adhesion protein; preferentially mediates homotypic cell-cell adhesion by dimerization with a CDH2 chain from another cell. Cadherins may thus contribute to the sorting of heterogeneous cell types. Acts as a regulator of neural stem cells quiescence by mediating anchorage of neural stem cells to ependymocytes in the adult subependymal zone: upon cleavage by MMP24, CDH2-mediated anchorage is affected, leading to modulate neural stem cell quiescence. Plays a role in cell-to-cell junction formation between pancreatic beta cells and neural crest stem (NCS) cells, promoting the formation of processes by NCS cells (By similarity). Required for proper neurite branching. Required for pre- and postsynaptic organization (By similarity). CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.