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36-2002: Mouse Monoclonal Antibody To N-Cadherin (Clone: CDH2/1573)

Clonality :	Monoclonal
Clone Name :	CDH2/1573
Application :	IHC
Reactivity :	Mouse,Human
Gene :	CDH2
Gene ID :	1000
Uniprot ID :	P19022
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human CDH2 intracellular domain was used as thye immunogen

Description

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.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	200 µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes)

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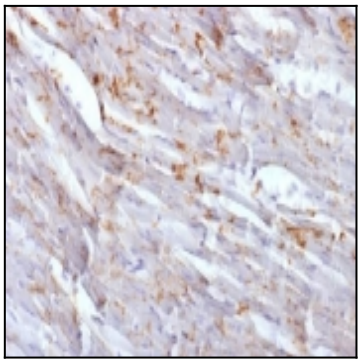

Immunochemical analysis of FFPE mouse heart with Cadherin 2 antibody (clone CDH2/1573).

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