

36-2000: Mouse Monoclonal Antibody To N-Cadherin (Clone: 13A9)

Clonality :	Monoclonal
Clone Name :	13A9
Application :	FACS,IF,WB
Reactivity :	Human, Mouse
Gene :	CDH2
Gene ID :	1000
Uniprot ID :	P19022
Format :	Purified
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human N-cadherin cytoplasmic domain (exact sequence is proprietary)

Description

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.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	200 µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM 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

Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Western Blotting (1-2ug/ml); ,

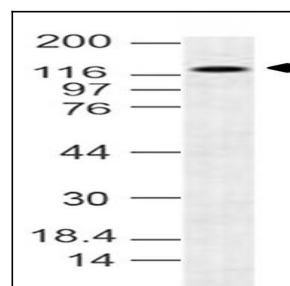


Figure-1 Western blot testing of human brain lysate with N-Cadherin antibody (Clone: 13A9).