

CDH2 monoclonal antibody, clone 13A9

Catalog # MAB14461 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CDH2.
Immunogen	Recombinant protein corresponding to cytoplasmic domain of human CDH2.
Host	Mouse
Theoretical MW (kDa)	130-140
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence
- Flow Cytometry

Gene Info — CDH2

Entrez GeneID [1000](#)

Protein Accession# [P19022](#)

Gene Name CDH2

Gene Alias CD325, CDHN, CDw325, NCAD

Gene Description cadherin 2, type 1, N-cadherin (neuronal)

Omim ID [114020](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a trans membrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product. [provided by RefSeq]

Other Designations N-cadherin 1|cadherin 2, N-cadherin (neuronal)|cadherin 2, type 1|calcium-dependent adhesion protein, neuronal|neural cadherin

Publication Reference

- [N-cadherin-catenin complexes form prior to cleavage of the proregion and transport to the plasma membrane.](#)

Wahl JK 3rd, Kim YJ, Cullen JM, Johnson KR, Wheelock MJ.

The Journal of Biological Chemistry 2003 May; 278(19):17269.

Application: IF, IP, WB-Ce, Human, HeLa cells

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Mouth Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)