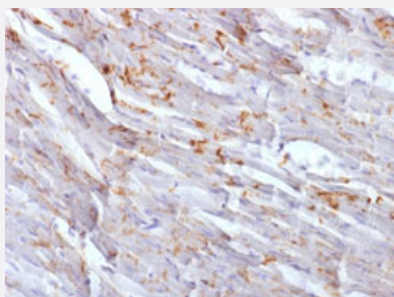


# CDH2 monoclonal antibody, clone CDH2/1573

Catalog # MAB14718

Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of mouse heart with CDH2 monoclonal antibody, clone CDH2/1573 (Cat # MAB14718).

## Specification

|                             |                                                                                                                                                                                                                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against partial recombinant human CDH2.                                                                                                                                                                                                        |
| <b>Immunogen</b>            | Recombinant protein corresponding to intracellular domain of human CDH2.                                                                                                                                                                                                        |
| <b>Host</b>                 | Mouse                                                                                                                                                                                                                                                                           |
| <b>Theoretical MW (kDa)</b> | 130-140                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>           | Human, Mouse                                                                                                                                                                                                                                                                    |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                                          |
| <b>Purification</b>         | Protein A/G purification                                                                                                                                                                                                                                                        |
| <b>Isotype</b>              | IgG1, kappa                                                                                                                                                                                                                                                                     |
| <b>Recommend Usage</b>      | Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells)<br>Immunofluorescence (1-2 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)<br>Western Blotting (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In 10 mM PBS.                                                                                                                                                                                                                                                                   |

## Storage Instruction

Store at -20 to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of mouse heart with CDH2 monoclonal antibody, clone CDH2/1573 (Cat # MAB14718).

- 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

- [Differential expression of N-cadherin in pleural mesotheliomas and E-cadherin in lung adenocarcinomas in formalin-fixed, paraffin-embedded tissues.](#)

Han AC, Peralta-Soler A, Knudsen KA, Wheelock MJ, Johnson KR, Salazar H.

Human Pathology 1997 Jun; 28(6):641.

Application: IHC-P, Human, Pleural Mesotheliomas

## 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](#)