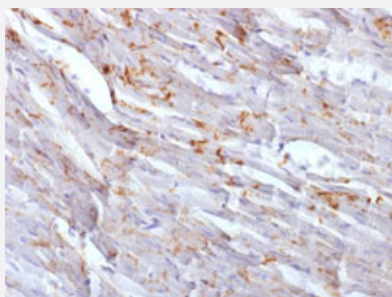


CDH2 monoclonal antibody, clone CDH2/1573

Catalog # MAB14462 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 # MAB14462).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CDH2.
Immunogen	Recombinant protein corresponding to intracellular domain of human CDH2.
Host	Mouse
Theoretical MW (kDa)	130-140
Reactivity	Human, Mouse
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) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 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
- 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 # MAB14462).
- 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](#)