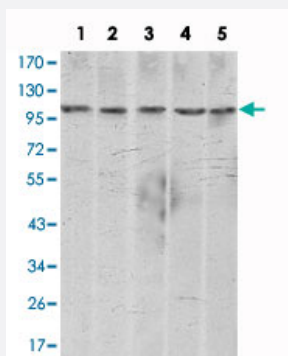


CDH2 monoclonal antibody, clone 5D5

Catalog # MAB10548

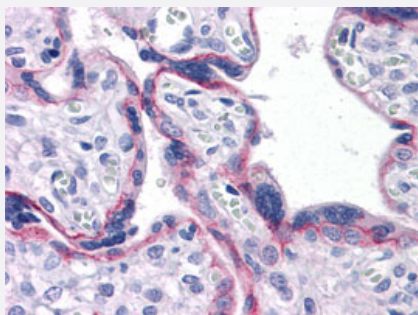
Size 100 uL

Applications



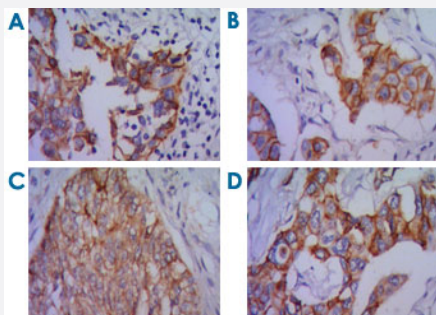
Western Blot (Cell lysate)

Western blot analysis using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) against A-431 (1), NIH/3T3 (2), HeLa (3), C6 (4) and LNCap (5) cell lysate.



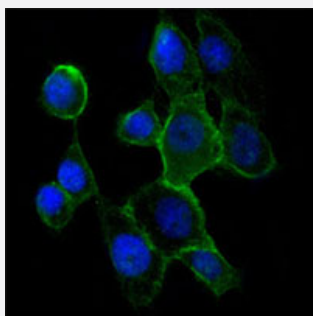
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human placenta tissues using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548).



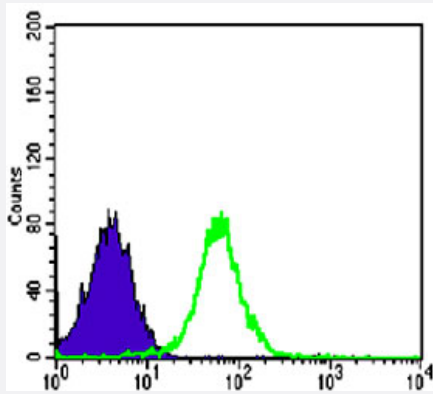
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A), colon cancer (B), ovarian cancer (C) and mammary cancer (D), using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of A-431 cells using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Flow cytometric analysis of PC-2 cells using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CDH2.
Immunogen	Recombinant protein corresponding to human CDH2.
Host	Mouse
Theoretical MW (kDa)	99.8
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) against A-431 (1), NIH/3T3 (2), HeLa (3), C6 (4) and LNCap (5) cell lysate.

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- Immunofluorescence

Immunofluorescence analysis of A-431 cells using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) (green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of PC-2 cells using CDH2 monoclonal antibody, clone 5D5 (Cat # MAB10548) (green) and negative control (purple).

Gene Info — CDH2

Entrez GeneID [1000](#)

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

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](#)