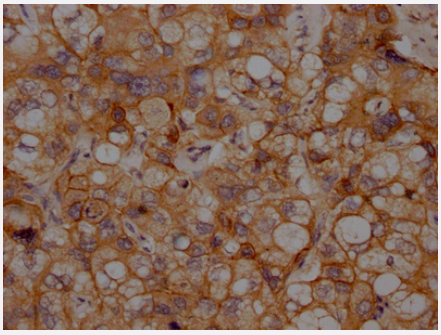
RecomAb™ Sm Size

CDH2 recombinant monoclonal antibody, clone 1A9

Catalog # RAB08090 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of CDH2 recombinant monoclonal antibody, clone 1A9 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDH2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human CDH2.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)

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Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of CDH2 recombinant monoclonal antibody, clone 1A9 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

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 gastrulatio n and is required for establishment of left-right asymmetry. At certain central nervous system syna pses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product. [prov ided by RefSeq
Other Designations	N-cadherin 1|cadherin 2, N-cadherin (neuronal)|cadherin 2, type 1|calcium-dependent adhesion pr otein, neuronal|neural cadherin

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)

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- 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

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