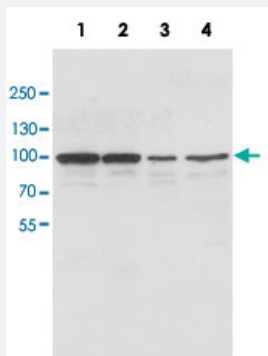


CDH2 polyclonal antibody

Catalog # PAB17213 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of tissue extracts with CDH2 polyclonal antibody (Cat # PAB17213).

Lane 1 : rat liver.

Lane 2 : rat liver.

Lane 3 : rat brain.

Lane 4 : rat testicular tissue.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CDH2.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human CDH2.
Host	Rabbit
Theoretical MW (kDa)	99
Reactivity	Human, Rat
Specificity	The synthetic peptide of this antibody is identical to the rat sequence.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer

Lyophilized from 0.9 mg NaCl, 0.2 mg Na₂HPO₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

Storage Instruction

Store at -20°C on dry atmosphere.
After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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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

Publication Reference

- [Genomic structure and chromosomal mapping of the mouse N-cadherin gene.](#)

Miyatani S, Copeland NG, Gilbert DJ, Jenkins NA, Takeichi M.

PNAS 1992 Sep; 89(18):8443.

- [N-cadherin gene maps to human chromosome 18 and is not linked to the E-cadherin gene.](#)

Walsh FS, Barton CH, Putt W, Moore SE, Kelsell D, Spurr N, Goodfellow PN.

Journal of Neurochemistry 1990 Sep; 55(3):805.

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](#)