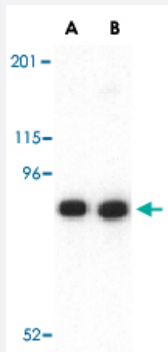


CDH13 polyclonal antibody

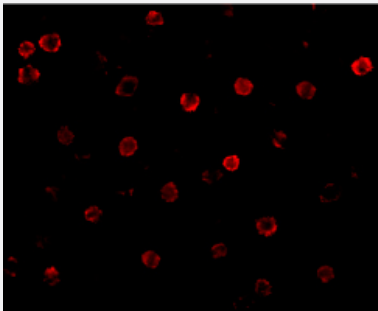
Catalog # PAB12951 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of CDH13 in NIH/3T3 lysate with CDH13 polyclonal antibody (Cat # PAB12951) at (A) 0.5 and (B) 1 ug/mL .



Immunofluorescence

Immunofluorescence of CDH13 in K-562 cells with CDH13 polyclonal antibody (Cat # PAB12951) at 20 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CDH13.
Immunogen	A synthetic peptide corresponding to 15 amino acids near N-terminus of human CDH13.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Peptide affinity purification

Concentration	1 mg/mL
Recommend Usage	Western Blot (0.5-1 ug/mL) Immunocytochemistry (20 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 of CDH13 in NIH/3T3 lysate with CDH13 polyclonal antibody (Cat # PAB12951) at (A) 0.5 and (B) 1 ug/mL .

- Immunofluorescence

Immunofluorescence of CDH13 in K-562 cells with CDH13 polyclonal antibody (Cat # PAB12951) at 20 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CDH13

Entrez GeneID	1012
Protein Accession#	NP_001248
Gene Name	CDH13
Gene Alias	CDHH
Gene Description	cadherin 13, H-cadherin (heart)
Omim ID	601364
Gene Ontology	Hyperlink

Gene Summary

This gene is a member of the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region but, unlike the typical cadherin superfamily member, lacks the highly conserved cytoplasmic region. This particular cadherin is a putative mediator of cell-cell interaction in the heart and may act as a negative regulator of neural cell growth. The gene locus is hypermethylated or deleted in breast, ovarian and lung cancers. Two major mRNA transcripts encoding identical proteins are found, products of alternative polyadenylation sites. [provided by RefSeq]

Other Designations

H-cadherin|P105|T-cad|T-cadherin|cadherin 13|heart-cadherin|truncated-cadherin

Publication Reference

- [Structure and functions of classical cadherins.](#)

Ivanov DB, Philippova MP, Tkachuk VA.

Biochemistry. Biokhimiia 2001 Oct; 66(10):1174.

Application: IHC, WB, Human, Aorta, Carotid, Hearts, Iliac, Kidney arteries

- [The H-cadherin \(CDH13\) gene is inactivated in human lung cancer.](#)

Sato M, Mori Y, Sakurada A, Fujimura S, Horii A.

Human Genetics 1998 Jul; 103(1):96.

- [T-cadherin, a novel cadherin cell adhesion molecule in the nervous system lacks the conserved cytoplasmic region.](#)

Ranscht B, Dours-Zimmermann MT.

Neuron 1991 Sep; 7(3):391.

Application: WB-Ce, WB-Ti, Chicken, Chicken brain, Chicken heart, Chicken kidney, Chicken liver, Chicken muscle, Chicken retina, Chicken sympathetic neurons

Disease

- [Alcohol Withdrawal Delirium](#)
- [Alcoholism](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Child Development Disorders](#)

- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diseases in Twins](#)
- [Genetic Predisposition to Disease](#)
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