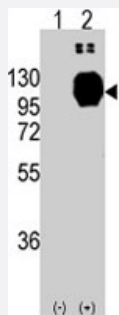


CDH13 polyclonal antibody

Catalog # PAB3081

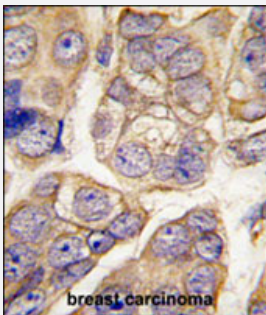
Size 400 uL

Applications



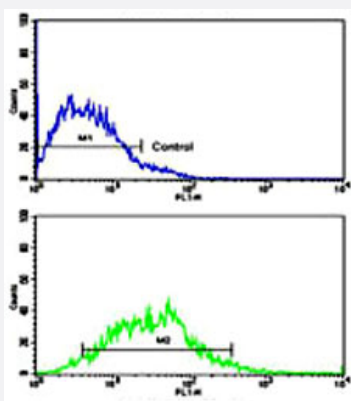
Western Blot (Transfected lysate)

Western blot analysis of CDH13 (arrow) using rabbit CDH13 polyclonal antibody (Cat # PAB3081). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH13 gene (Lane 2) (Origene Technologies).



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

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CDH13 polyclonal antibody (Cat # PAB3081), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry

Flow cytometric analysis of MCF-7 cells using CDH13 polyclonal antibody (Cat # PAB3081)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CDH13.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CDH13.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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

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Gene Info — CDH13

Entrez GeneID

[1012](#)

Protein Accession#

[NP_001248;P55290](#)

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

- [Identification of a panel of sensitive and specific DNA methylation markers for lung adenocarcinoma.](#)

Tsou JA, Galler JS, Siegmund KD, Laird PW, Turla S, Cozen W, Hagen JA, Koss MN, Laird-Offringa IA.

Molecular Cancer 2007 Oct; 6:70.

- [Tumor-specific downregulation and methylation of the CDH13 \(H-cadherin\) and CDH1 \(E-cadherin\) genes correlate with aggressiveness of human pituitary adenomas.](#)

Qian ZR, Sano T, Yoshimoto K, Asa SL, Yamada S, Mizusawa N, Kudo E.

Modern Pathology 2007 Dec; 20(12):1269.

Disease

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- [Alcoholism](#)
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- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
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