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H Cadherin (CDH13) Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1434b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P55290
Other Accession	Q9WTR5, P33150
Reactivity	Human
Predicted	Chicken, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	78287
Antigen Region	589-617

Additional Information

Gene ID	1012
Other Names	Cadherin-13, Heart cadherin, H-cadherin, P105, Truncated cadherin, T-cad, T-cadherin, CDH13, CDHH
Target/Specificity	This H Cadherin (CDH13) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 589-617 amino acids from the C-terminal region of human H Cadherin (CDH13).
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	H Cadherin (CDH13) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDH13
Synonyms	CDHH

Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. May act as a negative regulator of neural cell growth.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9WTR5}; Lipid-anchor, GPI-anchor. Cytoplasm {ECO:0000250|UniProtKB:Q9WTR5}
Tissue Location	Highly expressed in heart. In the CNS, expressed in cerebral cortex, medulla, hippocampus, amygdala, thalamus and substantia nigra. No expression detected in cerebellum or spinal cord

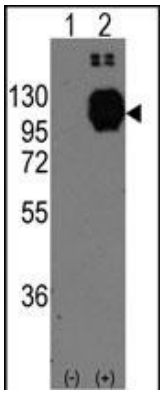
Background

CDH13 is a member of the cadherin superfamily. This 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.

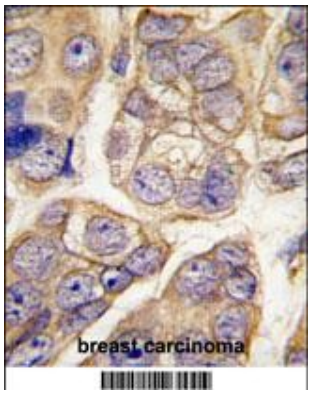
References

Qian,Z.R., Mod. Pathol. 20 (12), 1269-1277 (2007)
Tsou,J.A., Mol. Cancer 6, 70 (2007)

Images

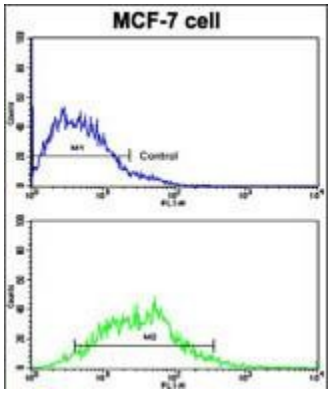


Western blot analysis of CDH13 (arrow) using rabbit polyclonal CDH13 Antibody (C-term) (Cat.#AP1434b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH13 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CDH13 antibody (C-term) (Cat.#AP1434b), 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 cytometric analysis of MCF-7 cells using H Cadherin (CDH13) Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the



analysis.

Citations

- Epicardial Adipose Tissue Removal Potentiates Outward Remodeling and Arrests Coronary Atherogenesis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.