10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CDH9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1433b

Product Information

Application	WB, FC, E
Primary Accession	Q9ULB4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13734
Calculated MW	88689
Antigen Region	701-729

Additional Information

Gene ID	1007
Other Names	Cadherin-9, CDH9
Target/Specificity	This CDH9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 701-729 amino acids from the C-terminal region of human CDH9.
Dilution	WB~~1:1000 FC~~1:10~50 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	CDH9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDH9
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.

Cellular Location Cell membrane; Single-pass type I membrane protein

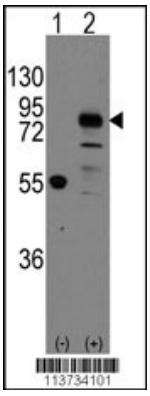
Background

CDH9 is a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. The extracellular domain consists of 5 subdomains, each containing a cadherin motif, and appears to determine the specificity of the protein's homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins.

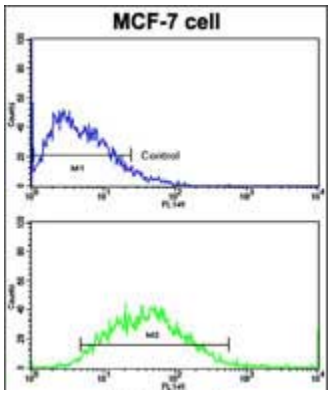
References

Shimoyama,Y., Biochem. J. 349 (PT 1), 159-167 (2000)
Nollet,F., J. Mol. Biol. 299 (3), 551-572 (2000)
Suzuki,S., Cell Regul. 2 (4), 261-270 (1991)

Images



Western blot analysis of CDH9 (arrow) using rabbit polyclonal CDH9 Antibody (C-term) (Cat.#AP1433b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH9 gene (Lane 2) (Origene Technologies).



Flow cytometric analysis of MCF-7 cells using CDH9 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.