

**CDH9 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1433b**

**Specification**

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**CDH9 Antibody (C-term) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">O9ULB4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	701-729

**CDH9 Antibody (C-term) - 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**

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**

CDH9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDH9 Antibody (C-term) - 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

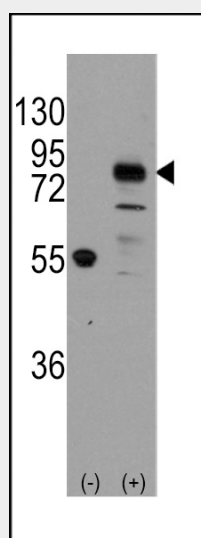
Cell membrane; Single-pass type I membrane protein

#### CDH9 Antibody (C-term) - Protocols

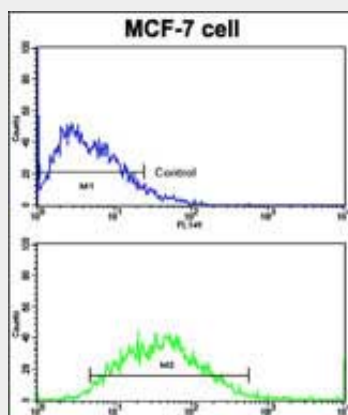
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CDH9 Antibody (C-term) - 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.

#### **CDH9 Antibody (C-term) - 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.

#### **CDH9 Antibody (C-term) - 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)