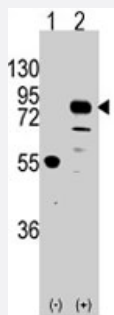


# CDH9 polyclonal antibody

Catalog # PAB3079

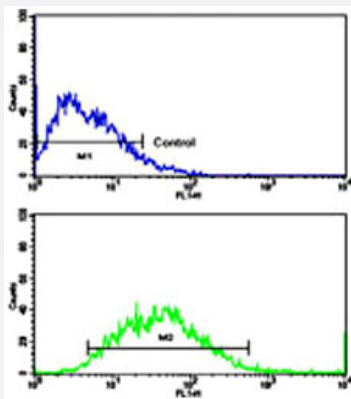
Size 400 uL

## Applications



### Western Blot (Transfected lysate)

Western blot analysis of CDH9 (arrow) using rabbit CDH9 polyclonal antibody (Cat # PAB3079). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH9 gene (Lane 2) (Origene Technologies).



### Flow Cytometry

Flow cytometric analysis of MCF-7 cells using CDH9 polyclonal antibody (Cat # PAB3079)(bottom histogram) compared to a negative control cell (top histogram).

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

## Specification

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of CDH9.                 |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CDH9. |
| <b>Host</b>                | Rabbit                                                                               |
| <b>Reactivity</b>          | Human                                                                                |
| <b>Form</b>                | Liquid                                                                               |
| <b>Purification</b>        | Protein A purification                                                               |

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | Western Blot (1:1000)<br>Flow cytometry (1:10-50)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                             |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                  |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

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Flow cytometric analysis of MCF-7 cells using CDH9 polyclonal antibody (Cat # PAB3079)(bottom histogram) compared to a negative control cell (top histogram).

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## Gene Info — CDH9

|                           |                                  |
|---------------------------|----------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">1007</a>             |
| <b>Protein Accession#</b> | <a href="#">NP_057363;Q9ULB4</a> |
| <b>Gene Name</b>          | CDH9                             |
| <b>Gene Alias</b>         | MGC125386                        |
| <b>Gene Description</b>   | cadherin 9, type 2 (T1-cadherin) |
| <b>Omim ID</b>            | <a href="#">609974</a>           |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>        |

**Gene Summary**

This gene encodes 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 HA V cell adhesion recognition sequence specific to type I cadherins. [provided by RefSeq]

**Other Designations**

T1-cadherin|cadherin 9, type 2|cadherin-9

**Publication Reference**

- [Identification of three human type-II classic cadherins and frequent heterophilic interactions between different subclasses of type-II classic cadherins.](#)  
Shimoyama Y, Tsujimoto G, Kitajima M, Natori M.  
The Biochemical Journal 2000 Jul; 349(Pt 1):159.
- [Phylogenetic analysis of the cadherin superfamily allows identification of six major subfamilies besides several solitary members.](#)  
Nollet F, Kools P, van Roy F.  
Journal of Molecular Biology 2000 Jun; 299(3):551.
- [Diversity of the cadherin family: evidence for eight new cadherins in nervous tissue.](#)  
Suzuki S, Sano K, Tanihara H.  
Cell Regulation 1991 Apr; 2(4):261.

**Disease**

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)