



# Cadherin-8 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-16936                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>          | CDH8                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Name</b>       | Cadherin-8                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human CDH8. AA range:491-540                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>        | Cadherin-8 Polyclonal Antibody detects endogenous levels of Cadherin-8 protein.                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                             |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                                                                                      |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>           | CDH8; Cadherin-8                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Observed Band</b>      | 90kD                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>       | Cell membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b> | Mainly expressed in brain. Found in certain nerve cell lines, such as retinoblasts, glioma cells and neuroblasts.                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>           | 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.,similarity:Contains 5 cadherin domains.,tissue specificity:Mainly expressed in brain. Found in certain nerve cell lines, such as retinoblasts, glioma cells and neuroblasts., |
| <b>Background</b>         | 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                                                                                                                                                                             |

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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. This particular cadherin is expressed in brain and is putatively involved in synaptic adhesion, axon outgrowth and guidance. [provided by RefSeq, Jul 2008],

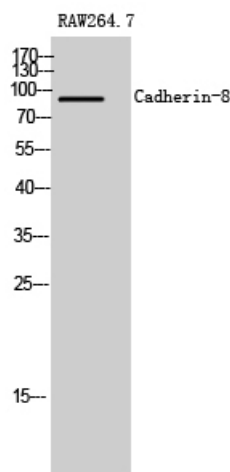
**matters needing attention**

Avoid repeated freezing and thawing!

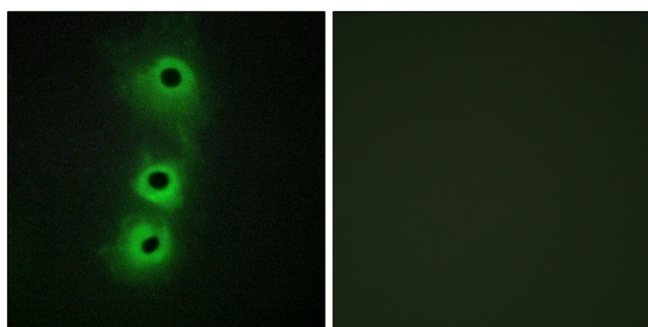
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

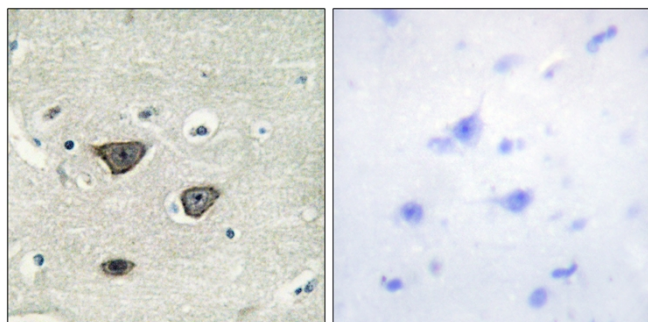
## Products Images



Western Blot analysis of RAW264.7 cells using Cadherin-8 Polyclonal Antibody



Immunofluorescence analysis of COS7 cells, using CDH8 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CDH8 Antibody. The picture on the right is blocked with the synthesized peptide.

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