



# PCDC1 rabbit pAb

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-08152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | PCDHAC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Name       | PCDC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen          | Synthesized peptide derived from human PCDC1 AA range: 350-400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity        | This antibody detects endogenous levels of PCDC1 at Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.267% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purification       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dilution           | WB 1:500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Synonyms           | Protocadherin alpha-C1 (PCDH-alpha-C1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Observed Band      | 105kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cell Pathway       | Cell membrane ; Single-pass type I membrane protein .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tissue Specificity | Brain,Placenta,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function           | alternative products:Additional isoforms seem to exist,function:Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.,similarity:Contains 6 cadherin domains.,                                                                                                                                                                                                                                                                                                    |
| Background         | This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, |

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which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq, Jul 2008],

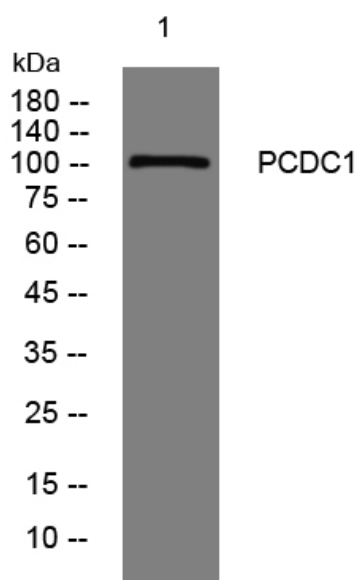
**matters needing attention**

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



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