

## Anti-PCDHA12 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A15869-1-Fluoro647

### About PCDHA12

Protocadherin alpha-12 is a protein that in humans is encoded by the PCDHA12 gene. 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, 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.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-PCDHA12 Antibody Picoband® Fluoro647 Conjugated  |
| Reactive Species     | Human   |
| Application          | Flow Cytometry  |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.        |
| Host                 | Rabbit  |
| Uniprot ID           | Q9UN75  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human PCDHA12 recombinant protein (Position: K219-V365). |
| Cross Reactivity | No cross reactivity with other proteins.                                |
| Isotype          | IgG   |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Fluoro647   |

|                     |  |
|---------------------|--|
|                     | Excitation Wavelength: 650 nm<br>Emission Wavelength: 665 nm         |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

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Anti-PCDHA12 Antibody - Fluoro647

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