

Anti-PCDHA12 Antibody Picoband® Biotin Conjugated

Catalog Number: A15869-1-Biotin

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® Biotin Conjugated |
| Reactive Species | Human |
| Application | WB, IHC, ELISA |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| 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 | Biotin |

Suggested Dilutions

Western blot, Optimal dilutions should be determined by end users.
Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.
ELISA, Optimal dilutions should be determined by end users.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-PCDHA12 Antibody - Biotin

For Research Use Only. Not for use in diagnostic procedures.