

Datasheet for ABIN1425110

**anti-Protocadherin gamma Subfamily C, 3 (PCDHGC3)  
antibody (PE)**



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## Overview

|              |                                              |
|--------------|----------------------------------------------|
| Quantity:    | 100 µL                                       |
| Target:      | Protocadherin gamma Subfamily C, 3 (PCDHGC3) |
| Reactivity:  | Human, Mouse, Rat                            |
| Host:        | Rabbit                                       |
| Clonality:   | Polyclonal                                   |
| Conjugate:   | PE                                           |
| Application: | Western Blotting (WB)                        |

## Product Details

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PCDHGC3/PCDH2 |
| Isotype:              | IgG                                                               |
| Predicted Reactivity: | Human, Mouse, Rat, Horse                                          |
| Purification:         | Purified by Protein A.                                            |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Protocadherin gamma Subfamily C, 3 (PCDHGC3)                                                                                                                                                                                                                                                                             |
| Alternative Name: | Pcdhgc3/Pcdh2 ( <a href="#">PCDHGC3 Products</a> )                                                                                                                                                                                                                                                                       |
| Background:       | <p>Synonyms: Cadherin like 2, PC 43, PC43, PCDH 2, PCDH gamma C3, PCDH2, PCDHGC 3, Protocadherin 2, Protocadherin 43, Protocadherin gamma C3, Protocadherin gamma subfamily C 3, Protocadherin43, PCDGK_HUMAN.</p> <p>Background: Protocadherins are a large family of cadherin-like cell adhesion proteins that are</p> |

## Target Details

involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDH2 (protocadherin-2), also known as PCDHGC3 (protocadherin gamma subfamily C, 3) or PC43, is a 934 amino acid single-pass type I membrane protein that contains six cadherin domains and belongs to the protocadherin gamma family. Functioning as a calcium-dependent cell-adhesion protein, PCDH2 is thought to be involved in the establishment and maintenance of neuronal connections within the brain. Multiple isoforms of PCDH2 exist due to alternative splicing events.

## Application Details

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Restrictions:      | For Research Use only                                                                                                  |
| Handling           |                                                                                                                        |
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 µg/µL                                                                                                                |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.            |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                      |
| Expiry Date:       | 12 months                                                                                                              |