

Datasheet for ABIN758484

**anti-PCDHGB5 antibody (PE-Cy7)**[Go to Product page](#)

## Overview

|              |                                               |
|--------------|-----------------------------------------------|
| Quantity:    | 100 µL                                        |
| Target:      | PCDHGB5                                       |
| Reactivity:  | Human, Mouse, Rat                             |
| Host:        | Rabbit                                        |
| Clonality:   | Polyclonal                                    |
| Conjugate:   | This PCDHGB5 antibody is conjugated to PE-Cy7 |
| Application: | Western Blotting (WB)                         |

## Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PCDHGB5 |
| Isotype:              | IgG                                                         |
| Predicted Reactivity: | Human, Mouse, Rat                                           |
| Purification:         | Purified by Protein A.                                      |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PCDHGB5                                                                                                                                                                                                                                                                                         |
| Alternative Name: | PCDHGB5 ( <a href="#">PCDHGB5 Products</a> )                                                                                                                                                                                                                                                    |
| Background:       | <p>Synonyms: PCDH gamma B5, PCDHGB 5, Protocadherin gamma B5, Protocadherin gamma subfamily B 5, PCDGH_HUMAN.</p> <p>Background: PCDHGB5 is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an</p> |

## Target Details

immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.

## Application Details

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| Application Notes: | FCM(1:100-500)<br>Optimal working dilution should be determined by the investigator. |
| 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                                                                                                              |