

Datasheet for ABIN1389336

**anti-Protocadherin 1 antibody (AA 51-150) (AbBy Fluor® 647)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | Protocadherin 1 (PCDH1)                                                                                 |
| Binding Specificity: | AA 51-150                                                                                               |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This Protocadherin 1 antibody is conjugated to AbBy Fluor® 647                                          |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PCDH1 |
| Isotype:              | IgG                                                       |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit           |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | Protocadherin 1 (PCDH1)                                                                   |
| Alternative Name: | PCDH1 ( <a href="#">PCDH1 Products</a> )                                                  |
| Background:       | Synonyms: Cadherin like 1, Cadherin like protein 1, PC 42, PC42, PCDH 1, PCDH-1, PCDH 42, |

Target Details

PCDH42, Protocadherin 1, Protocadherin 42, Protocadherin1, Protocadherin42.

Background: Protocadherins are a subfamily of cadherins, a large group of related glycoproteins that mediate calcium-dependent cell-to-cell adhesion via a homophilic mechanism. Involved in a variety of functions, protocadherins help to regulate neural development and synapse formation. PCDH1 is a 1,026 amino acid single-pass type I membrane protein that contains seven cadherin domains and is a member of the protocadherin family. Localized to cell-cell and cell-matrix boundaries and expressed at high levels in brain and neuro-glial cells, PCDH1 is thought to be involved in cell adhesion and cell-cell interactions and may play a role in neuronal development. PCDH1 contains a C-terminal cytoplasmic region, an extracellular region and a transmembrane region, and is expressed as two isoforms due to alternative splicing events.

Gene ID: 64121

Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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: ProClin

Precaution of Use: This product contains ProClin: 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