Datasheet for ABIN7233054

# anti-PCDHGA1 antibody (C-Term)

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## Overview

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| Quantity: | 100 µg |
| Target: | PCDHGA1 |
| Binding Specificity: | AA 808-931, C-Term |
| Reactivity: | Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This PCDHGA1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (fixed cells) (IF/ICC) |

## Product Details

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| Purpose: | Anti-Protocadherin γ (pan) Mouse Monoclonal Antibody |
| Immunogen: | Fusion protein corresponding to aa 808-931 (C-terminal cytoplasmic constant domain) of mouse PCDHGA1. This sequence is present in all 22 PCDHG proteins. |
| Clone: | S159-5 |
| Isotype: | IgG1 |
| Specificity: | This antibody recognizes human, mouse, and rat PCDHG-A, B, and C proteins |
| Cross-Reactivity: | Human, Mouse, Rat |

## Target Details

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|---|---|
| Target: | PCDHGA1 |

## Target Details

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| Alternative Name: | Pcdhga1 (PCDHGA1 Products) |
| Background: | Protocadherin γ A1,The protocadherin gamma gene cluster is one of three related clusters tandemly linked on chromosome five. 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 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 trans-membrane region). The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins are believed to play a critical role in the establishment and function of specific cell-cell connections in the brain. |
| UniProt: | Q91XZ0 |

## Application Details

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| Application Notes: | Immunoblotting: use at 1-2 µg/mL. A band of ~100 kDa is detected.<br>Immunofluorescence: use at 10 µg/mL.<br>These are recommended concentrations.<br>Endusers should determine optimal concentrations for their application. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Reconstitution: | Dilute in PBS or medium that is identical to that used in the assay system. |
| Concentration: | 1.0 mg/mL |
| Buffer: | PBS, pH 7.4, 0.1 % sodium azide, 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: | This product is stable for at least one (1) year at -20°C. |