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Datasheet for ABIN7233054  
**anti-PCDHGA1 antibody (C-Term)**

### Overview

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

Purpose:	Anti-Protocadherin $\gamma$ (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

Target:	PCDHGA1
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## Target Details

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Alternative Name:	Pcdhga1 ( <a href="#">PCDHGA1 Products</a> )
Background:	<p>Protocadherin <math>\gamma</math> 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.</p>
UniProt:	<a href="#">Q91XZ0</a>

## Application Details

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Application Notes:	<p>Immunoblotting: use at 1-2 <math>\mu\text{g}/\text{mL}</math>. A band of <math>\sim 100</math> kDa is detected.</p> <p>Immunofluorescence: use at 10 <math>\mu\text{g}/\text{mL}</math>.</p> <p>These are recommended concentrations.</p> <p>Endusers should determine optimal concentrations for their application.</p>
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.