

Datasheet for ABIN6657946
anti-PCDHGA1 antibody (AA 808-931) (FITC)



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Overview

Quantity:	100 µg
Target:	PCDHGA1
Binding Specificity:	AA 808-931
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PCDHGA1 antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Protocadherin Gamma (pan) Antibody Fluorescein
Immunogen:	Anti-Protocadherin Gamma (pan) Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 808-931 of mouse Protocadherin-gamma-A1 that is shared by all 22 Gamma-protocadherins.
Clone:	S159-5
Isotype:	IgG1
Cross-Reactivity (Details):	BLAST analysis suggests that it is 99 % identical to human.
Purification:	Anti-Protocadherin Gamma (pan) Antibody was purified from concentrated tissue culture supernate by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	PCDHGA1
Alternative Name:	Pcdhga1 (PCDHGA1 Products)
Background:	<p>Synonyms: PCDH, Protocadherin Gamma antibody, PCDH gamma antibody, PCDH-gamma, PCDHG, Protocadherin gamma , Protocadherin gamma, Gamma Protocadherin (pan), Pan-Gamma-Protocadherin, Pan Gamma Protocadherin</p> <p>Background: The protocadherin gamma gene cluster is one of three related clusters tandemly linked on chromosome five. These gene clusters have an 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. Anti-Protocadherin Gamma (pan) is ideal for research in Neuroscience, Cell Adhesion and Cell Signaling.</p> <p>Gene Name: Protocadherin-Gamma-A1</p>

Gene ID: 93709

UniProt: [Q91XZ0](#)

Application Details

Application Notes:	ELISA_Dilution: 1:10,000 Western_Blots_Dilution: 1:1000 Other: ICC/IF: 1:100
Comment:	Anti-Protocadherin Gamma (pan) FITC Conjugated Antibody is tested for Western Blots and Immunocytochemistry. Expect a band approximately ~100 kDa on specific lysates or tissues. It will cross react with all Gamma-protocadherins -A, -B, and -C. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 50 % (v/v) Glycerol Preservative: 0.1 % (w/v) Sodium Azide
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:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months