



Datasheet for ABIN2459282 anti-PCDHGC4 antibody



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Overview

Quantity:	100 µL
Target:	PCDHGC4
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHGC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PCDHGC4.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

Target:	PCDHGC4
Alternative Name:	PCDHGC4 (PCDHGC4 Products)
Background:	PCDHGC4 is a single-pass type I membrane protein. It contains 6 cadherin domains.PCDHGC4 is a potential calcium-dependent cell-adhesion protein. It may be involved in the establishment and maintenance of specific neuronal connections in the brain.This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting

Target Details

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.

Molecular Weight: 98 kDa

Gene ID: 56098

NCBI Accession: [NP_061751](#)

UniProt: [Q9Y5F7](#)

Application Details

Application Notes: PCDHGC4 antibody can be used for detection of PCDHGC4 by ELISA at 1:1562500. PCDHGC4 antibody can be used for detection of PCDHGC4 by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.

Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store PCDHGC4 antibody at -20 °C.



Western Blotting

Image 1.