

Datasheet for ABIN2463277 anti-PCDHA10 antibody

1 Image



Overview

OVEIVIEW	
Quantity:	100 μL
Target:	PCDHA10
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHA10 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 PCDHA10.
Purification:	Antibody is purified by peptide affinity chromatography method.
Target Details	
Target:	PCDHA10
Alternative Name:	PCDHA10 (PCDHA10 Products)
Background:	This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of
	13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-

terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.

Molecular Weight:	73 kDa
Gene ID:	56139
NCBI Accession:	NP_114066
UniProt:	A1L493

Application Details

Application Notes:	PCDHA10 antibody can be used for detection of PCDHA10 by ELISA at 1:1562500. PCDHA10
	antibody can be used for detection of PCDHA10 by western blot at 1 $\mu g/mL$, and HRP
	conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

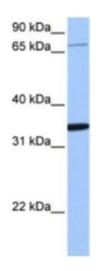
Handling

Format:	Lyophilized
Reconstitution:	Add 50 ?L of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL

Handling

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 PCDHA10 antibody at -20 °C.

Images



Western Blotting

Image 1.