

# PCDHA10 Rabbit pAb

Catalog No.: A17185

## Basic Information

### Observed MW

100kDa

### Calculated MW

103kDa

### Category

Primary antibody

### Applications

ELISA,WB

### Cross-Reactivity

Human

## 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. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

56139

### Swiss Prot

Q9Y5I2

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 130-210 of human PCDHA10 (NP\_114066.1).

### Synonyms

CNR8; CNRN8; CNRS8; CRNR8; PCDH-ALPHA10; PCDHA10

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

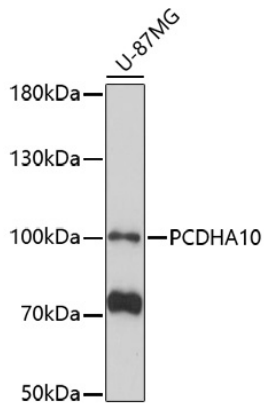
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from U-87MG cells, using PCDHA10 Rabbit pAb (A17185) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.