

A4856

Leader in Biomolecular Solutions for Life Science



# PCDHA6 Rabbit pAb

Catalog No.: A4856

## Basic Information

### Observed MW

103kDa

### Calculated MW

103kDa

### Category

Polyclonal Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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
IF/ICC	1:50 - 1:200

## Immunogen Information

### Gene ID

56142

### Swiss Prot

Q9UN73

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human PCDHA6 (NP\_061732.1).

### Synonyms

CNR2; CNRN2; CNRS2; CRNR2; PCDH-ALPHA6; PCDHA6

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

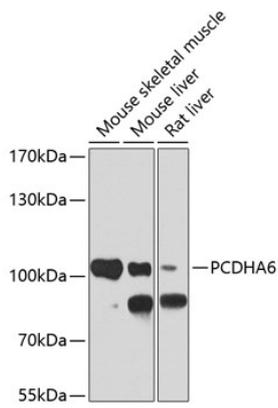
Affinity purification

### Storage

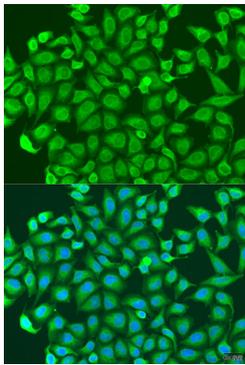
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using PCDHA6 antibody (A4856) 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.



Immunofluorescence analysis of U2OS cells using PCDHA6 antibody (A4856) at dilution of 1:100. Blue: DAPI for nuclear staining.