

For Research Use Only

# PCDHAC1 Polyclonal antibody

Catalog Number: 24314-1-AP



## Basic Information

### Catalog Number:

24314-1-AP

### Size:

150ul , Concentration: 250 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19431

### GenBank Accession Number:

BC136774

### GeneID (NCBI):

56135

### UNIPROT ID:

Q9H158

### Full Name:

protocadherin alpha subfamily C, 1

### Calculated MW:

818 aa, 88 kDa

### Observed MW:

~110 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse

### Positive Controls:

WB : A549 cells, K-562 cells, SK-N-SH cells, SH-SY5Y cells, mouse brain tissue

## Background Information

Protocadherins, which constitute the largest subgroup within the cadherin superfamily, are predominantly expressed in the nervous system and are probably involved in the regulation of neuronal recognition and connectivity (PMID: 17936607; 12231349; 17133224). The protocadherin subfamily can be further subdivided into three groups: the clustered protocadherins, comprising  $\alpha$ -,  $\beta$ - and  $\gamma$ -protocadherins;  $\delta$ -protocadherins; and others, many of which are solitary (PMID: 17133224). PCDHAC1 belongs to the  $\alpha$ -protocadherin (PCDHA) cluster. The differential expression of PCDHAC1 may be related to the influence of maternal cadmium on fetal growth (PMID: 27544570).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

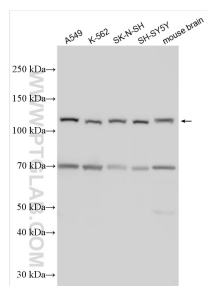
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24314-1-AP (PCDHAC1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.