

For Research Use Only

# PCDHGA1 Polyclonal antibody

Catalog Number: 18279-1-AP



## Basic Information

Catalog Number:

18279-1-AP

Size:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13107

GenBank Accession Number:

BC112082

GeneID (NCBI):

56114

UNIPROT ID:

Q9Y5H4

Full Name:

protocadherin gamma subfamily A, 1

Calculated MW:

823aa, 90 kDa; 931aa, 101 kDa

Observed MW:

113 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : PC-12 cells, SH-SY5Y cells, mouse brain tissue, rat 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). PCDHGA1 (protocadherin gamma subfamily A1) is a potential calcium-dependent cell-adhesion protein. It may be involved in establishing and maintaining specific neuronal connections in the brain. PCDHGA1 has four glycosylation sites.

## 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

For technical support and original validation data for this product please contact:

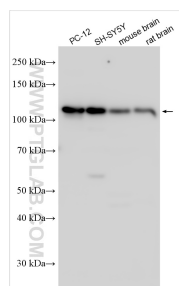
T: 4006900926

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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18279-1-AP (PCDHGA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.