

For Research Use Only

# PCDHA2 Polyclonal antibody

Catalog Number: 10127-2-AP



## Basic Information

**Catalog Number:**

10127-2-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0173

**GenBank Accession Number:**

BC003126

**GeneID (NCBI):**

56146

**UNIPROT ID:**

Q9Y5H9

**Full Name:**

protocadherin alpha 2

**Calculated MW:**

102 kDa

**Observed MW:**

102 kDa, 80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse brain tissue, Raji cells, human heart tissue, HeLa cells, human brain tissue, mouse cerebellum tissue, rat brain tissue, rat cerebellum tissue

IP : HeLa cells,

## 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). PCDHA2 (protocadherin alpha 2) is a single-pass type I membrane protein containing 6 cadherin domains. It may be involved in the establishment and maintenance of specific neuronal connections in the brain. Three isoforms produced by alternative splicing have been described (UniProt).

## 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:

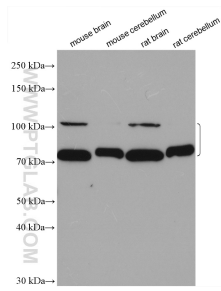
T: 4006900926

E: Proteintech-CN@ptglab.com

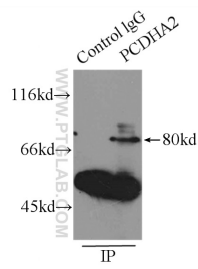
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10127-2-AP (PCDHA2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-PCDHA2 (IP:10127-2-AP, 3ug; Detection:10127-2-AP 1:300) with HeLa cells lysate 4650ug.