

For Research Use Only

PCDHA2 Polyclonal antibody

Catalog Number: 10127-2-AP



Basic Information

Catalog Number:

10127-2-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, 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 α -, β - and γ -protocadherins; δ -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

*** 20ul sizes contain 0.1% BSA

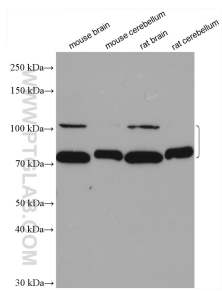
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

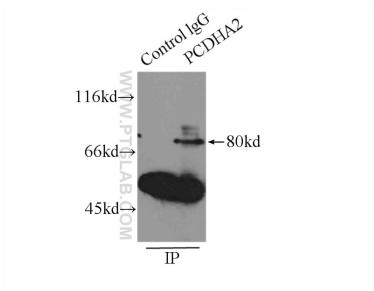
E: proteintech@ptglab.com
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Selected Validation Data



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.