

For Research Use Only

# PCDHB1 Polyclonal antibody

Catalog Number: 31966-1-AP



## Basic Information

### Catalog Number:

31966-1-AP

### Size:

150ul , Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG35435

### GenBank Accession Number:

BC112096

### GeneID (NCBI):

29930

### UNIPROT ID:

Q9Y5F3

### Full Name:

protocadherin beta 1

### Observed MW:

80 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

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

## Applications

### Tested Applications:

IP, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

IP : mouse skeletal muscle tissue, rat skeletal muscle tissue

## Background Information

PCDHB1 (Protocadherin Beta 1) is a member of the protocadherin beta gene cluster, which belongs to the Cadherin superfamily and is expressed primarily in the nervous system. It encodes a cell adhesion protein containing six extracellular adhesion protein structural domains and a distinct cytoplasmic tail involved in the establishment and function of intercellular junctions. PCDHB1 plays an important role in neurodevelopment, and its aberrant expression has been associated with a variety of neurodevelopmental disorders, for example, PCDHB1 expression is upregulated in the brains of patients with Rett syndrome, which may be related to the neuropathological features of the disease. In addition, members of the PCDHB1 gene cluster are involved in neuronal self-recognition, avoidance, and connection establishment with other neurons.

## 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

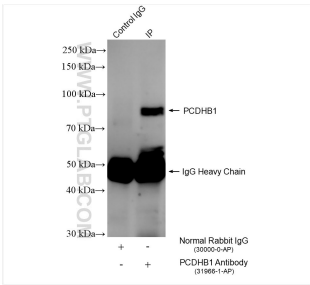
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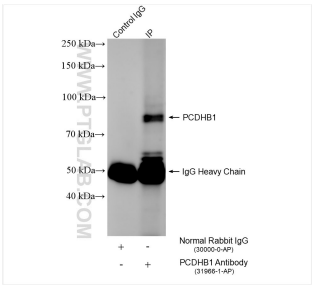
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Selected Validation Data



IP result of anti-PCDHB1 (IP:31966-1-AP, 4ug;  
Detection:31966-1-AP 1:500) with mouse skeletal  
muscle tissue lysate 1040 ug.



IP result of anti-PCDHB1 (IP:31966-1-AP, 4ug;  
Detection:31966-1-AP 1:500) with rat skeletal  
muscle tissue lysate 1800 ug.