

For Research Use Only

# Oligophrenin 1 Polyclonal antibody

Catalog Number: 17445-1-AP

1 Publications



## Basic Information

### Catalog Number:

17445-1-AP

### Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11538

### GenBank Accession Number:

BC059393

### GeneID (NCBI):

4983

### UNIPROT ID:

O60890

### Full Name:

oligophrenin 1

### Calculated MW:

802 aa, 92 kDa

### Observed MW:

91 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB**: mouse brain tissue, mouse skeletal muscle tissue, rat brain tissue

**IP**: mouse brain tissue,

**IHC**: human colon tissue, human stomach cancer tissue

## Background Information

The OPHN1 gene encodes a Rho-GTPase activating protein (RhoGAP), and mutations in OPHN1 are responsible for non-specific X-linked mental retardation (NSMR). OPHN1 is highly expressed in the brain and present both pre- and postsynaptically in neurons.

## Notable Publications

Author	Pubmed ID	Journal	Application
Margarita Brilkova	36170830	Cell Rep	WB

## 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

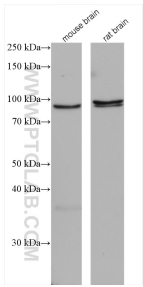
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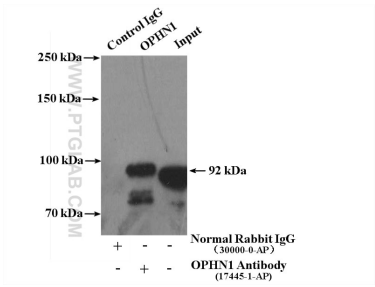
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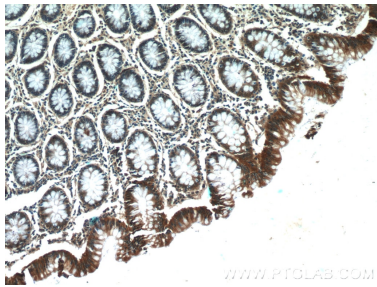
Selected Validation Data



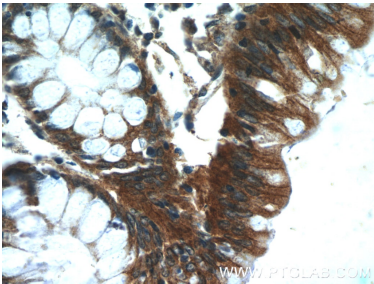
Various lysates were subjected to SDS PAGE followed by western blot with 17445-1-AP (Oligophrenin 1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-Oligophrenin 1 (IP:17445-1-AP, 4ug; Detection:17445-1-AP 1:500) with mouse brain tissue lysate 5200ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17445-1-AP (Oligophrenin 1 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17445-1-AP (Oligophrenin 1 antibody at dilution of 1:50 (under 40x lens).