

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 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG11538

**GenBank Accession Number:**  
BC059393

**GeneID (NCBI):**  
4983

**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 IP and 1:500-1:1000 for WB  
IHC 1:20-1:200

## Applications

**Tested Applications:**  
IHC, IP, WB, 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

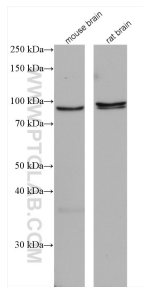
For technical support and original validation data for this product please contact:

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

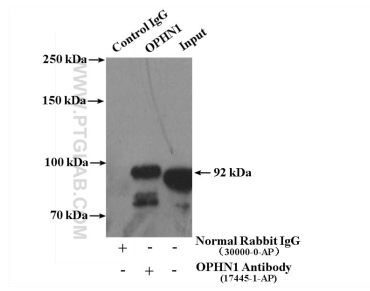
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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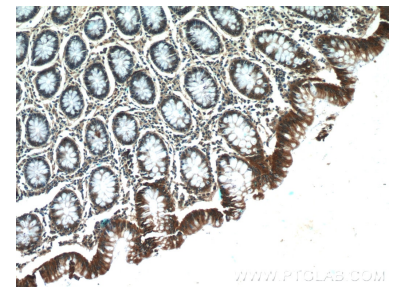
## Selected Validation Data



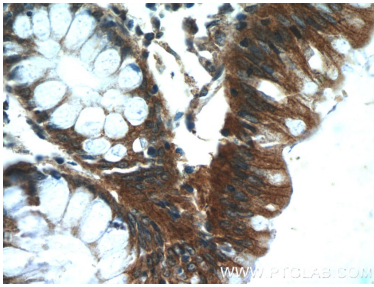
Various lysates were subjected to SDS PAGE followed by western blot with 17445-1-AP (Oligophrenin 1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).