

For Research Use Only

# Oligophrenin 1 Polyclonal antibody

Catalog Number: 11076-1-AP

4 Publications



## Basic Information

**Catalog Number:**

11076-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1536

**GenBank Accession Number:**

BC059393

**GeneID (NCBI):**

4983

**UNIPROT ID:**

O60890

**Full Name:**

oligophrenin 1

**Calculated MW:**

802 aa, 92 kDa

**Observed MW:**

92 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, 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 : HeLa cells, mouse brain tissue

IP : mouse brain tissue,

IHC : human cerebellum tissue, human retinoblastoma tissue

IF : HeLa cells,

## 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
Sel Saadettin S	22119667	Gene Expr Patterns	WB, IHC
Jian Zhang	36708754	Neurosci Lett	WB
Kim Jie-Hyun JH	21964889	Ann Surg Oncol	IHC

## 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:

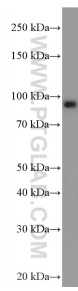
T: 4006900926

E: Proteintech-CN@ptglab.com

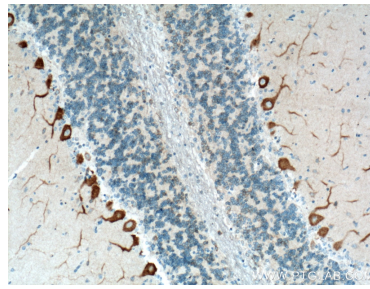
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

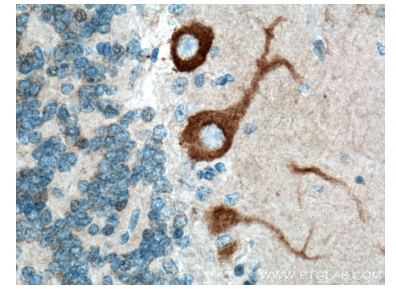
## Selected Validation Data



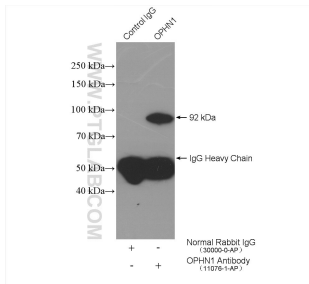
HeLa cells were subjected to SDS PAGE followed by western blot with 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



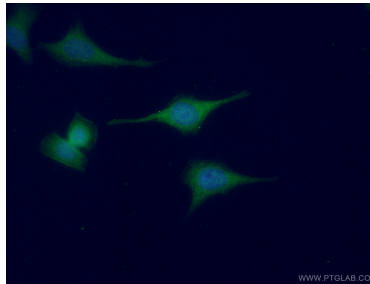
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Oligophrenin 1 (IP:11076-1-AP, 4ug; Detection:11076-1-AP 1:300) with mouse brain tissue lysate 4000 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).