

For Research Use Only

Oligophrenin 1 Polyclonal antibody

Catalog Number: 11076-1-AP

4 Publications



Basic Information

Catalog Number:
11076-1-AP

Size:
150ul, Concentration: 500 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1536

GenBank Accession Number:
BC059393

GeneID (NCBI):
4983

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 ug for IP and 1:200-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IHC, WB

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

*** 20ul sizes contain 0.1% BSA

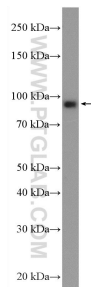
For technical support and original validation data for this product please contact:

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

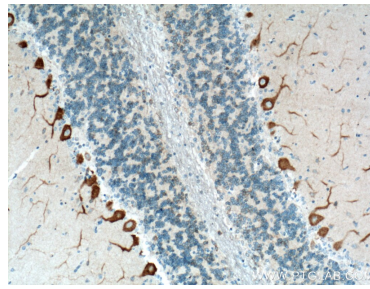
E: proteintech@ptglab.com
W: ptglab.com

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

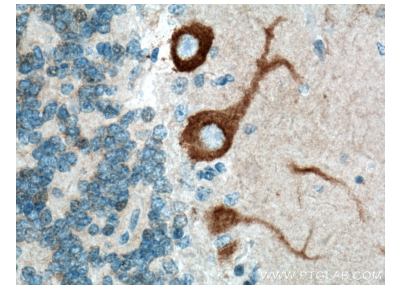
Selected Validation Data



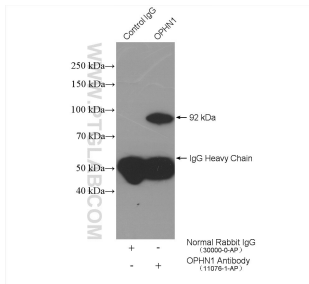
HeLa cells were subjected to SDS PAGE followed by western blot with 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



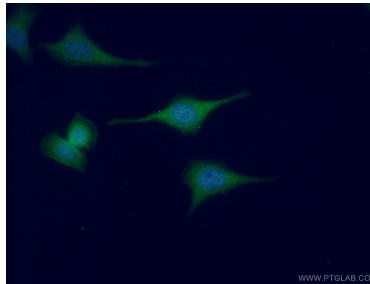
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).