

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 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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/ICC : 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

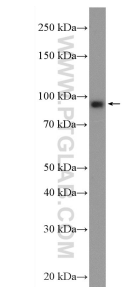
For technical support and original validation data for this product please contact:

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

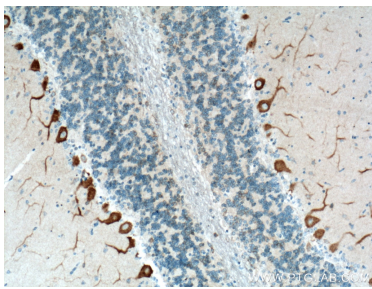
E: proteintech@ptglab.com
W: ptglab.com

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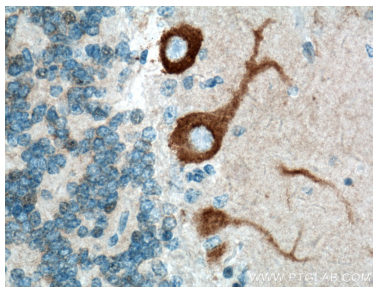
Selected Validation Data



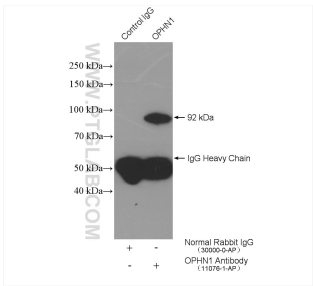
HeLa cells were subjected to SDS PAGE followed by western blot with 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



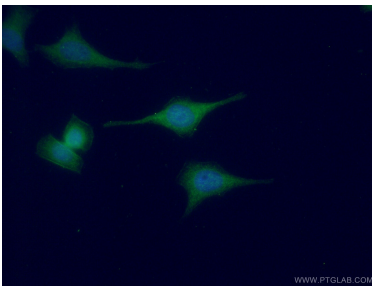
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 11076-1-AP (Oligophrenin 1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).