

For Research Use Only

Oligophrenin 1 Polyclonal antibody

Catalog Number: 17445-1-AP

1 Publications



Basic Information

Catalog Number:

17445-1-AP

Size:

350 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

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 Brillkova	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

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

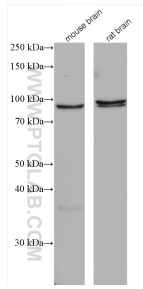
T: 4006900926

E: Proteintech-CN@ptglab.com

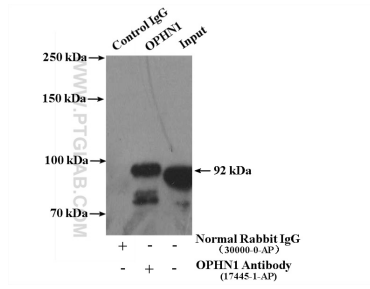
W: ptgcn.com

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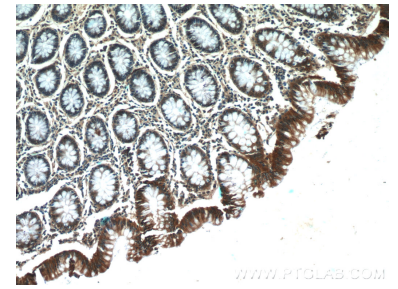
Selected Validation Data



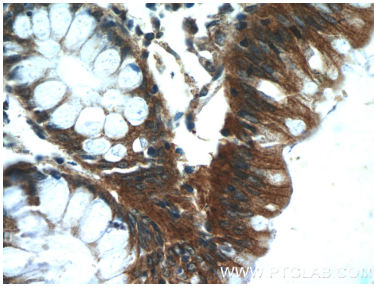
Various lysates were subjected to SDS PAGE followed by western blot with 17445-1-AP (Oligophrenin 1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).