

For Research Use Only

NEURL Polyclonal antibody

Catalog Number: 18898-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

18898-1-AP

Size:

750 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13531

GenBank Accession Number:

BC026336

GeneID (NCBI):

9148

UNIPROT ID:

O76050

Full Name:

neuralized homolog (Drosophila)

Calculated MW:

59 kDa

Observed MW:

60-62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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 : MCF-7 cells, mouse brain tissue, Y79 cells, SH-SY5Y cells, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

IF/ICC : MCF-7 cells,

Background Information

NEURL (Neuralized-like protein 1A) is also named as NEURL1, NEURL1A, RNF67. Neurl1 is a RING-dependent E3 ubiquitin ligase that can regulate Notch signaling in mammals and its expression promotes lysosomal degradation of Jagged1 in cells and blocks signaling from Jagged1-expressing cells to neighboring Notch-expressing cells. Neurl-dependent turnover of Jagged1 and inhibition of Notch signaling depends upon N-terminal myristoylation and plasma membrane localization of Neurl1 (PMID:18077452). This antibody is specific to NEURL.

Notable Publications

Author	Pubmed ID	Journal	Application
Kun Zhang	31063987	J Clin Invest	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:

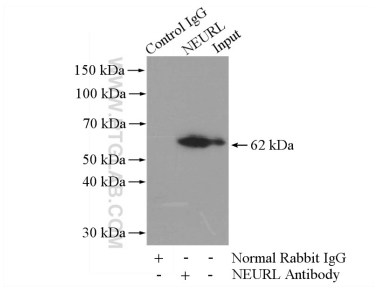
T: 4006900926

E: Proteintech-CN@ptglab.com

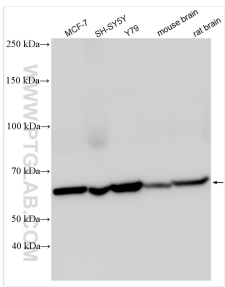
W: ptgcn.com

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

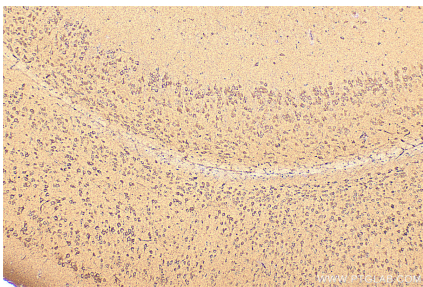
Selected Validation Data



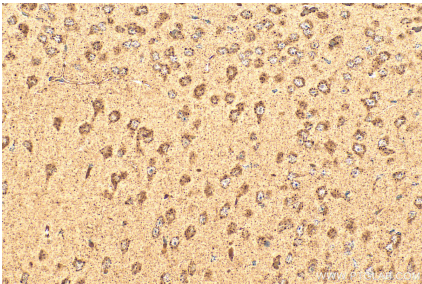
IP result of anti-NEURL (IP:18898-1-AP, 4ug; Detection:18898-1-AP 1:600) with mouse brain tissue lysate 2560ug.



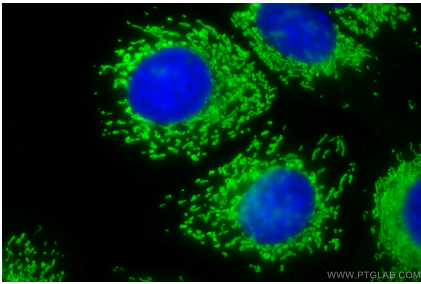
Various lysates were subjected to SDS PAGE followed by western blot with 18898-1-AP (NEURL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18898-1-AP (NEURL 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 mouse brain tissue slide using 18898-1-AP (NEURL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using NEURL antibody (18898-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).