

For Research Use Only

N4BP3 Polyclonal antibody

Catalog Number: 16733-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

16733-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10194

GenBank Accession Number:

BC053323

GeneID (NCBI):

23138

UNIPROT ID:

O15049

Full Name:

Nedd4 binding protein 3

Calculated MW:

544 aa, 60 kDa

Observed MW:

60-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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, IP

Species Specificity:

human, mouse, rat

Cited Species:

human

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, rat brain tissue

IP : mouse brain tissue,

IHC : mouse kidney tissue, human cervical cancer tissue, human kidney tissue

IF/ICC : HEK-293 cells,

Background Information

N4BP3, also named as KIAA0341, a Fezzin family member, during nerve cell development. It is crucial for axonal and dendritic branching in developing neurons. It binds the protein NEDD4 and interacts with 14-3-3 proteins. N4BP3 is present in early neurites, growth cones, axons and dendrites of developing primary hippocampal neurons.

Notable Publications

Author	Pubmed ID	Journal	Application
Chen Wang	34880843	Front Microbiol	WB,IP
Wang Jiang	39420190	Cell Death Discov	WB,IP,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

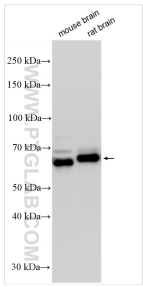
For technical support and original validation data for this product please contact:

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

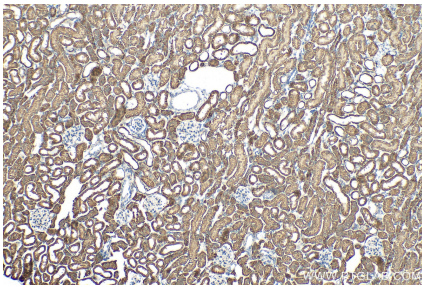
E: proteintech@ptglab.com
W: ptglab.com

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

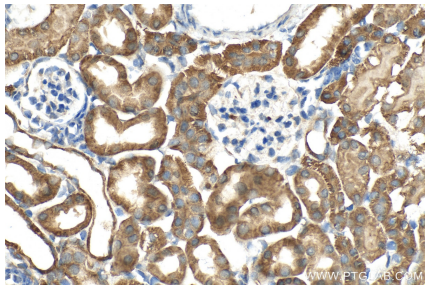
Selected Validation Data



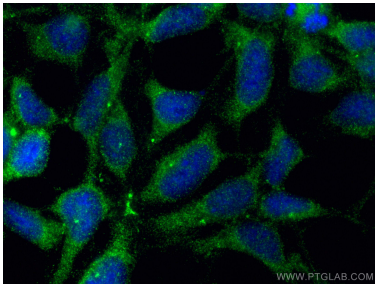
Various lysates were subjected to SDS PAGE followed by western blot with 16733-1-AP (N4BP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



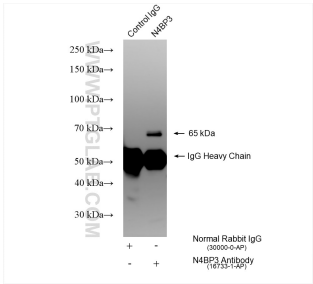
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16733-1-AP (N4BP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



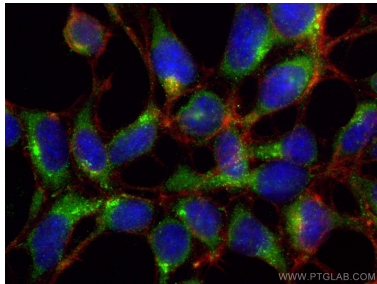
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16733-1-AP (N4BP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using N4BP3 antibody (16733-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



IP result of anti-N4BP3 (IP:16733-1-AP, 4ug; Detection:16733-1-AP 1:2000) with mouse brain tissue lysate 1800 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using N4BP3 antibody (16733-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).