

For Research Use Only

DNM3 Polyclonal antibody

Catalog Number: 14737-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

14737-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6381

GenBank Accession Number:

BC064546

GeneID (NCBI):

26052

UNIPROT ID:

Q9UQ16

Full Name:

dynamin 3

Calculated MW:

98 kDa

Observed MW:

97-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

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

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, fetal human brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue, human gliomas tissue, human stomach cancer tissue

IF/ICC : HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DNM3 (dynamin 3) is a member of dynamin proteins that participate in membrane rearrangements such as vesicular trafficking and phagocytosis. Three dynamin proteins encoded by different genes are present in mammals: DNM1 is mainly expressed in central nervous system, DNM2 ubiquitously expressed, and DNM3 expressed chiefly in the testis and brain. Western blot using this antibody specifically detected the 100 kDa DNM3 in mouse brain. It doesn't cross-react with other DNMs. (22977254, 21671749)

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Fa	34025791	Oncol Lett	IHC, IF, WB
Brett Nixon	33451771	Mol Cell Proteomics	IF
Yini Ma	31388312	Cancer Manag Res	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

*** 20ul sizes contain 0.1% BSA

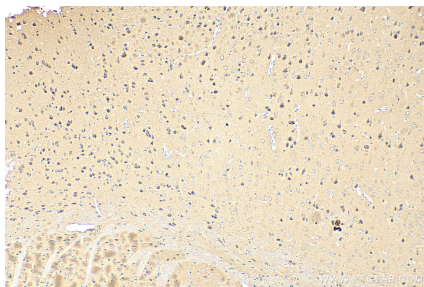
For technical support and original validation data for this product please contact:

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

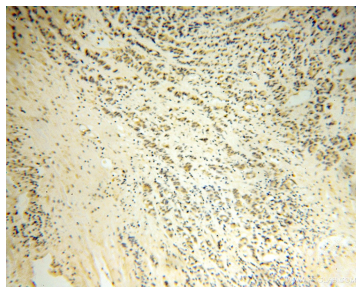
E: proteintech@ptglab.com
W: ptglab.com

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

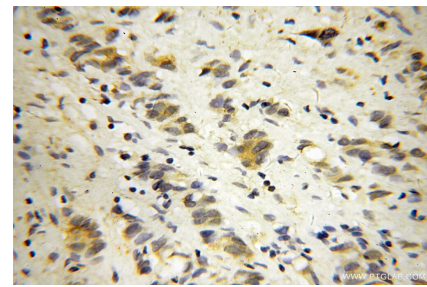
Selected Validation Data



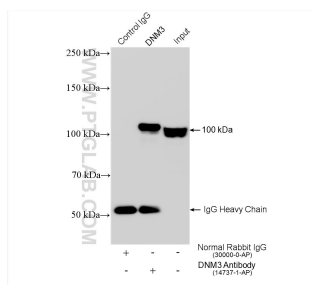
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14737-1-AP (DNM3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



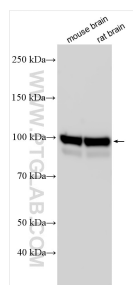
Immunohistochemical analysis of paraffin-embedded human gliomas using 14737-1-AP (DNM3 antibody) at dilution of 1:50 (under 10x lens).



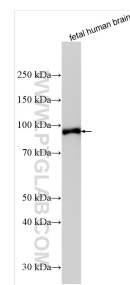
Immunohistochemical analysis of paraffin-embedded human gliomas using 14737-1-AP (DNM3 antibody) at dilution of 1:50 (under 40x lens).



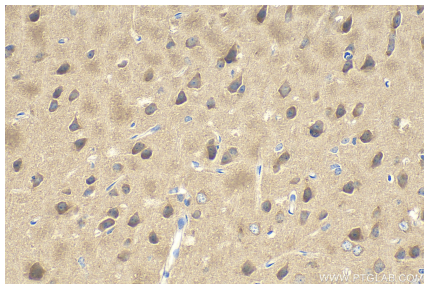
IP result of anti-DNM3 (IP:14737-1-AP, 4ug; Detection:14737-1-AP 1:5000) with mouse brain tissue lysate 1280 ug.



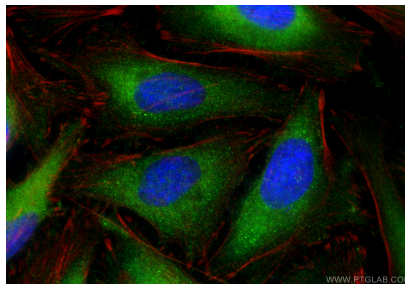
Various lysates were subjected to SDS PAGE followed by western blot with 14737-1-AP (DNM3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 14737-1-AP (DNM3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14737-1-AP (DNM3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DNM3 antibody (14737-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).