

For Research Use Only

# DNM3 Polyclonal antibody

Catalog Number: 14737-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

14737-1-AP

**Size:**

150ul, Concentration: 147 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6381

**GenBank Accession Number:**

BC064546

**GeneID (NCBI):**

26052

**Full Name:**

dynamin 3

**Calculated MW:**

98 kDa

**Observed MW:**

97-100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse, rat

**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: mouse brain tissue, rat brain

IP: mouse brain tissue,

IHC: human gliomas tissue, human stomach cancer tissue

## 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
Yini Ma	31388312	Cancer Manag Res	WB
Natascia Marino	25086928	Clin Exp Metastasis	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

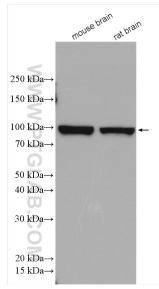
For technical support and original validation data for this product please contact:

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

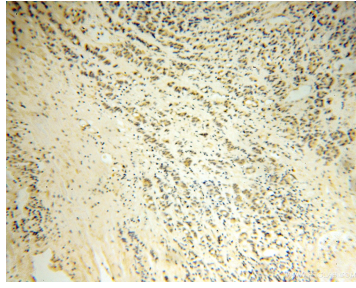
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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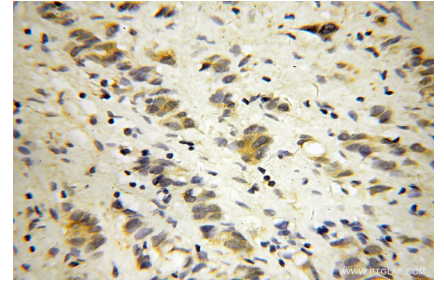
## Selected Validation Data



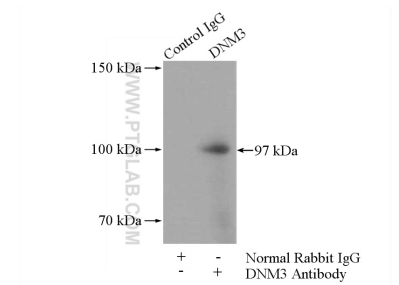
Various lysates were subjected to SDS PAGE followed by western blot with 14737-1-AP (DNM3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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, 4 $\mu$ g; Detection:14737-1-AP 1:500) with mouse brain tissue lysate 2640 $\mu$ g.