

For Research Use Only

# DRP1 (N-terminal) Polyclonal antibody

Catalog Number: 26187-1-AP

6 Publications



## Basic Information

### Catalog Number:

26187-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24249

### GenBank Accession Number:

BC024590

### GeneID (NCBI):

10059

### UNIPROT ID:

O00429

### Full Name:

dynamin 1-like

### Calculated MW:

736 aa, 82 kDa

### Observed MW:

70-78 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

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

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IF/ICC : HeLa cells,

## Background Information

DNM1L(Dynamin-1-like protein), also known as dynamin-related protein 1 (DRP1), belongs to the dynamin family of large GTPases that mediate membrane remodeling during a variety of cellular processes. DNM1L has an important role in the division of growing mitochondria and peroxisomes and also mediates outer mitochondrial membrane fission in mammalian cells. DNM1L is ubiquitously expressed with abundant expression in skeletal muscle, heart, kidney and brain. Variable isoforms of DNM1L have been reported in a tissue-specific manner due to the alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu-Lin Deng	35142655	Asian J Androl	WB
Chang Lu	33940385	Biochem Biophys Res Commun	WB
Zhipeng Zheng	38587531	Inflamm 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

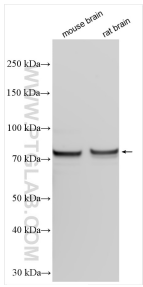
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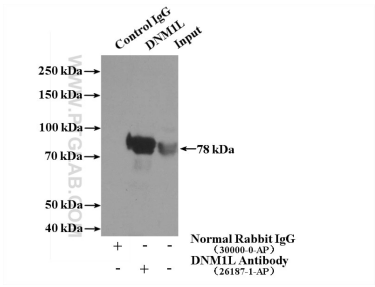
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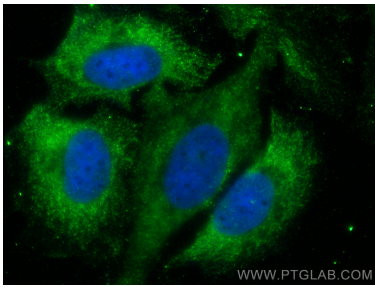
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26187-1-AP (DRP1 (N-terminal) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-DRP1 (N-terminal) (IP:26187-1-AP, 4ug; Detection:26187-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DRP1 (N-terminal) antibody (26187-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).