

For Research Use Only

DRP1 (N-terminal) Polyclonal antibody



Catalog Number: 26187-1-AP

5 Publications

Basic Information

Catalog Number:

26187-1-AP

Size:

500 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

FC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

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
Jiaping Zhu	38159629	Environ Pollut	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:

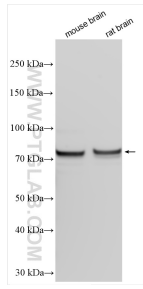
T: 4006900926

E: Proteintech-CN@ptglab.com

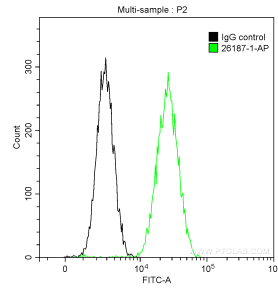
W: ptgcn.com

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

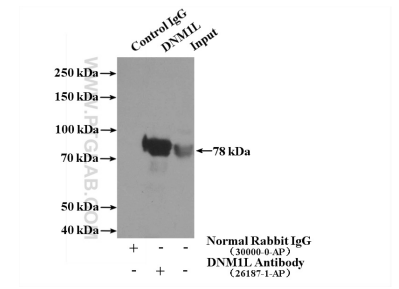
Selected Validation Data



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.



1×10^6 HeLa cells were intracellularly stained with 0.2 μ g Anti-Human DRP1 (N-terminal) (26187-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 μ g Control Antibody. Cells were fixed with 90% MeOH.



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