

For Research Use Only

# DNM2 Polyclonal antibody

Catalog Number: 14605-1-AP

4 Publications



## Basic Information

Catalog Number:

14605-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6156

GenBank Accession Number:

BC054501

GeneID (NCBI):

1785

UNIPROT ID:

P50570

Full Name:

dynamin 2

Calculated MW:

98 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HL-60 cells, HeLa cells, Jurkat cells, NIH/3T3 cells, human brain tissue, MDA-MB-231 cells, human peripheral blood platelets, mouse brain tissue

## Background Information

DNM2, also known as DYN2, DYNII, CMTDI1, CMTDIB, belongs to the dynamin family. DNM2 is a ubiquitously expressed large GTPase involved in clathrin-dependent and -independent endocytosis and intracellular membrane trafficking. DNM2 plays a role in the regulation of neuron morphology, axon growth, and the formation of neuronal growth cones. Dynamins are associated with microtubules. DNM2 plays an important role in endocytosis and is involved in cytokinesis (PMID: 33713620, 12498685). Mutations in DNM2 cause dominant centronuclear myopathy (PMID: 16227997). Defects in DNM2 are the cause of Charcot-Marie-Tooth disease dominant intermediate type B (CMTDIB) (PMID: 15731758). Alternate splicing results in multiple transcript variants.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fang Bian	24517733	Br J Pharmacol	WB
Jing Liu	35468852	J Transl Med	WB
Liang Wang	39043703	Nat Commun	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

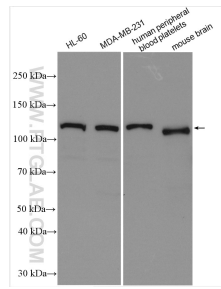
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14605-1-AP (DNMT2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.