

For Research Use Only

# DNM2 Polyclonal antibody

Catalog Number: 14605-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 14605-1-AP	<b>GenBank Accession Number:</b> BC054501	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 1785	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P50570	
<b>Isotype:</b> IgG	<b>Full Name:</b> dynamin 2	
<b>Immunogen Catalog Number:</b> AG6156	<b>Calculated MW:</b> 98 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> 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
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## 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
Kai Xu	37681746	Aging Cell	IF

## 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:

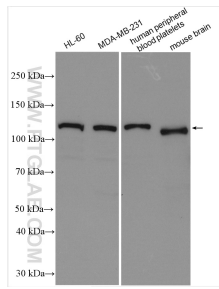
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## Selected Validation Data



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.