

For Research Use Only

DNM2 Polyclonal antibody

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



Basic Information

Catalog Number: 14605-1-AP	GenBank Accession Number: BC054501	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 1785	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: dynamin 2	
Isotype: IgG	Calculated MW: 98 kDa	
Immunogen Catalog Number: AG6156	Observed MW: 100 kDa	

Applications

Tested Applications: WB, ELISA	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
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

DNM2, also known as DYN2, DYNII, CMTD1, 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

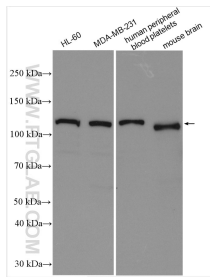
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

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
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14605-1-AP (DNM2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.