

For Research Use Only

DNM2 Monoclonal antibody

Catalog Number: 68209-1-Ig



Basic Information

Catalog Number: 68209-1-Ig	GenBank Accession Number: BC054501	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1785	CloneNo.: 1B8H3
Source: Mouse	UNIPROT ID: P50570	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: dynamin 2	
Immunogen Catalog Number: AG6274	Calculated MW: 98 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
Human, mouse, rat, pig, rabbit

Positive Controls:
WB : HCT 116 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

IF/ICC : HeLa cells,

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.

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.

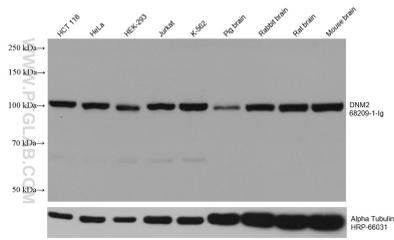
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

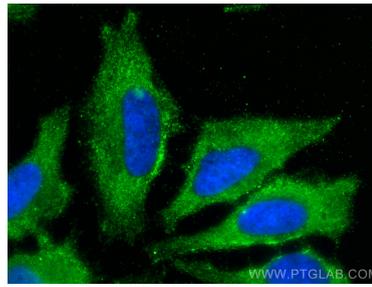
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68209-1-Ig (DNMT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DNMT2 antibody (68209-1-Ig, Clone: 1B8H3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).