

For Research Use Only

CoraLite® Plus 647-conjugated DNM2 Monoclonal antibody



Catalog Number: CL647-68209

Basic Information

Catalog Number: CL647-68209	GenBank Accession Number: BC054501	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1785	CloneNo.: 1B8H3
Source: Mouse	Full Name: dynamin 2	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 98 kDa	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG6274	Observed MW: 100 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: Human, mouse, rat, pig, rabbit	

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

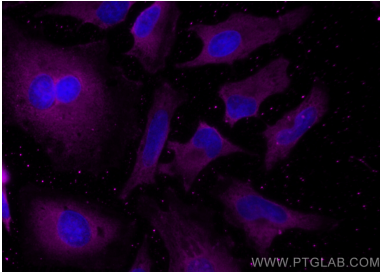
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite® Plus 647 DNM2 antibody (CL647-68209, Clone: 1B8H3) at dilution of 1:200.