

CoraLite® Plus 647-conjugated DNM2 Monoclonal antibody

Catalog Number: **CL647-68209**

Basic Information

Catalog Number:

CL647-68209

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6274

GenBank Accession Number:

BC054501

GeneID (NCBI):

1785

UNIPROT ID:

P50570

Full Name:

dynamin 2

Calculated MW:

98 kDa

Observed MW:

100 kDa

Purification Method:

Protein G purification

CloneNo.:

1B8H3

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

654 nm / 674 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse, rat, pig, rabbit

Positive Controls:

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:

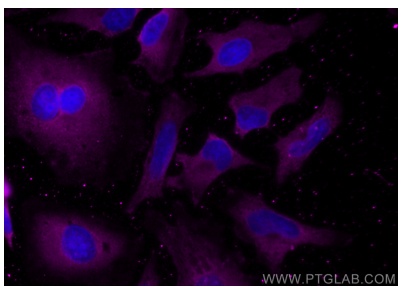
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.