BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-DNM2 Antibody (N-Term)

Catalog Number: M01629-1

About DNM2

Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Plays a role in the regulation of neuron morphology, axon growth and formation of neuronal growth cones (By similarity). Plays an important role in vesicular trafficking processes, in particular endocytosis. Involved in cytokinesis.

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Overview

Product Name	Anti-DNM2 Antibody (N-Term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DNM2 Antibody (N-Term) (Catalog # M01629-1). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P50570

Technical Details

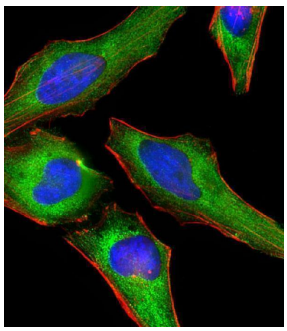
Immunogen	This DNM2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 213-247 amino acids from human DNM2.
Predicted Reactive Species	Bovine
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

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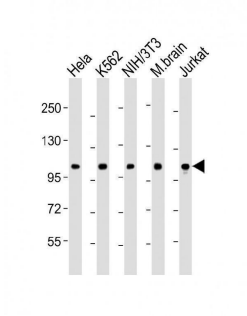
Suggested Dilutions	IF: 1:25 WB: 1:2000 FC: 1:25

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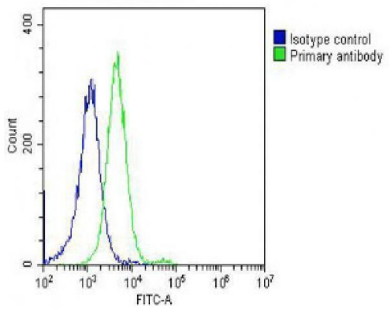
Anti-DNM2 Antibody (N-Term) (M01629-1) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling DNM2 with M01629-1 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).



All lanes : Anti-DNM2 Antibody (N-Term) at 1:2000 dilutionLane 1: Hela whole cell lysateLane 2: K562 whole cell lysateLane 3: NIH/3T3 whole cell lysateLane 4: mouse brain lysateLane 5: Jurkat whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 98 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing Hela cells stained with M01629-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M01629-1, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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