BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-DNM1L Antibody (C-term)

Catalog Number: M00556

About DNM1L

Functions in mitochondrial and peroxisomal division. Mediates membrane fission through oligomerization into membrane- associated tubular structures that wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Through its function in mitochondrial division, ensures the survival of at least some types of postmitotic neurons, including Purkinje cells, by suppressing oxidative damage. Required for normal brain development, including that of cerebellum. Facilitates developmentally regulated apoptosis during neural tube formation. Required for a normal rate of cytochrome c release and caspase activation during apoptosis; this requirement may depend upon the cell type and the physiological apoptotic cues. Also required for mitochondrial fission during mitosis. Required for formation of endocytic vesicles. Proposed to regulate synaptic vesicle membrane dynamics through association with BCL2L1 isoform Bcl-X(L) which stimulates its GTPase activity in synaptic vesicles; the function may require its recruitment by MFF to clathrin-containing vesicles. Required for programmed necrosis execution.

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Overview

Product Name	Anti-DNM1L Antibody (C-term)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-DNM1L Antibody (C-term) (Catalog # M00556). Tested in WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	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	O00429

Technical Details

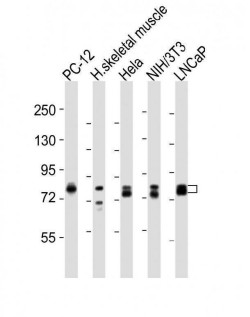
Immunogen	This DNM1L antibody is generated from a rabbit immunized with a KLH conjugated synthetic

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	peptide between 513-547 amino acids from the C-terminal region of human DNM1L.
Predicted Reactive Species	Bovine, Mouse
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:8000 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-DNM1L Antibody (C-term) (M00556) Images



All lanes : Anti-DNM1L Antibody (C-term) at 1:8000 dilutionLane 1: PC-12 whole cell lysatesLane 2: human skeletal muscle lysatesLane 3: Hela whole cell lysatesLane 4: NIH/3T3 whole cell lysatesLane 5: LNCaP whole cell lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 82 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-DNM1L Antibody (C-term)

For Research Use Only. Not for use in diagnostic procedures.