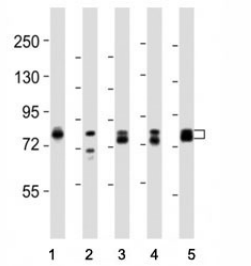
DNM1L Antibody / Dynamin-1-like protein (F53236)

Catalog No.	Formulation	Size
F53236-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53236-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O00429
Applications	Western Blot : 1:8000
Limitations	This DNM1L antibody is available for research use only.



Western blot testing of DNM1L antibody at 1:8000 dilution and lysate from: 1: rat PC12; 2: human skeletal muscle; 3: HeLa; 4: mouse NIH3T3; 5: LNCaP; Predicted molecular weight: 60-84 kDa (multiple isoforms).

Description

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. [UniProt]

Application Notes

Titration of the DNM1L antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This DNM1L antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 513-547 amino acids from the C-terminal region of human DRP1/DNM1L.

Storage

Aliquot the DNM1L antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.