Datasheet for ABIN6243175

anti-Dynamin 1-Like antibody (C-Term)

1 Image

Go to Product page

Overview

Quantity:	400 µL
Target:	Dynamin 1-Like (DNM1L)
Binding Specificity:	AA 513-547, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamin 1-Like antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DNM1L antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 513-547 amino acids from the C-terminal region of human DNM1L.
Clone:	RB52425
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Dynamin 1-Like (DNM1L)
Alternative Name:	DNM1L (DNM1L Products)
Background:	Functions in mitochondrial and peroxisomal division. Mediates membrane fission through

Target Details

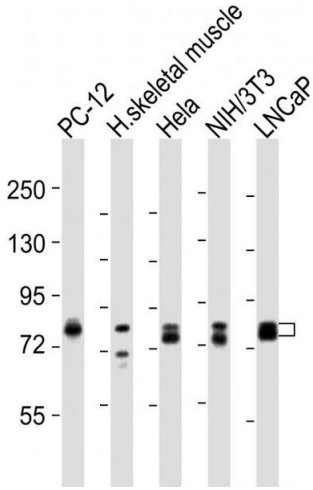
	oligomerization into membrane- associated tubular structures that wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Through its function in mitochondrial division, ensures the survival of at least some types of postmitotic neurons, 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.
Molecular Weight:	81877
UniProt:	O00429

Application Details

Application Notes:	WB: 1:8000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. All lanes : Anti-DNM1L Antibody (C-term) at 1:8000 dilution Lane 1: PC-12 whole cell lysates Lane 2: human skeletal muscle lysates Lane 3: Hela whole cell lysates Lane 4: NIH/3T3 whole cell lysates Lane 5: LNCaP whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.