

Datasheet for ABIN7180161

anti-Dynamin 1-Like antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Dynamin 1-Like (DNM1L)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamin 1-Like antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human DNM1L.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

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

Target Details

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. Isoform 1 and isoform 4 inhibit peroxisomal division when overexpressed.

Shin H.-W., J. Biochem. 122:525-530(1997).

Hong Y.-R., Biochem. Biophys. Res. Commun. 249:697-703(1998).

Imoto M., J. Cell Sci. 111:1341-1349(1998).

Aliases: DLP1 antibody, dnm1l antibody, DNMI1_HUMAN antibody, Dnm1p/Vps1p-like protein antibody, dnml1 antibody, DRP1 antibody, DVLP antibody, Dymple antibody, Dynamin 1 like antibody, Dynamin family member proline-rich carboxyl-terminal domain less antibody, Dynamin like protein antibody, Dynamin related protein 1 antibody, Dynamin-1-like protein antibody, Dynamin-like protein 4 antibody, Dynamin-like protein antibody, Dynamin-like protein IV antibody, Dynamin-related protein 1 antibody, DYNIV 11 antibody, EMPF antibody, EMPF1 antibody, FLJ41912 antibody, HdynIV antibody, VPS1 antibody

UniProt: [000429](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl,

Handling

0.02 % sodium azide and 50 % glycerol.

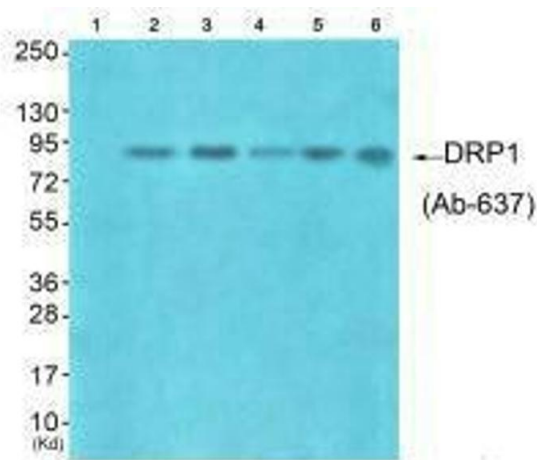
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from HuvEc cells (Lane 2), HepG2 cells (Lane 3), colo cells (Lane 4), 293 cells (Lane 5) and JK cells (Lane 6), using DRP1 (Ab-637) antibody. The lane on the left is treated with synthesized peptide.