



# Anti-DNM1L (aa 107-156) polyclonal antibody (DPABH-12604)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Functions in mitochondrial and peroxisomal division. Mediates membrane fission through oligomerization into ring-like structures which wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Required for normal brain development. Facilitates developmentally-regulated apoptosis during neural tube development. Required for a normal rate of cytochrome c release and caspase activation during apoptosis. Also required for mitochondrial fission during mitosis. May be involved in vesicle transport. Isoform 1 and isoform 4 inhibit peroxisomal division when overexpressed.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within N terminal amino acids 107-156 (IRQEIEENETE RISGNNKGVS PEPIHLKIFS PNVVNLTVD LPGMTKVPVG) of Human DNM1L (NP_036192).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Constituents: 97% PBS, 2% Sucrose
<b>Preservative</b>	None

**Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DNM1L dynamin 2-like [ Homo sapiens ]</a>
<b>Official Symbol</b>	DNM1L
<b>Synonyms</b>	DNM1L; dynamin 1-like; DLP1; DRP1; DVLP; EMPF; DYMPLE; HDYNIV; dynamin-1-like protein; dynamin-like protein 4; dynamin-like protein IV; Dnm1p/Vps1p-like protein; dynamin-related protein 1; dynamin family member proline-rich carboxyl-terminal domain less;
<b>Entrez Gene ID</b>	<a href="#">10059</a>
<b>Protein Refseq</b>	<a href="#">NP_001265392.1</a>
<b>UniProt ID</b>	<a href="#">B4DYR6</a>
<b>Pathway</b>	Apoptosis; Synaptic Vesicle Pathway; TNF signaling pathway;
<b>Function</b>	GTP binding; GTPase activity; identical protein binding; lipid binding