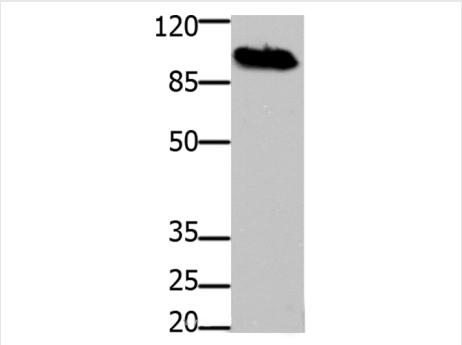
DNM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DNM1, Polyclonal Antibody
Full Product Name	DNM1 Polyclonal Antibody
Product Gene Name	anti-DNM1 antibody
Product Synonym Names	DNM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2.7mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	95,895 Da
OMIM	602377
Immunogen	Synthetic peptide of human DNM1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DNM1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-DNM1 antibody	WB: 1:200-1:1000
Related Product Information for anti-DNM1 antibody	This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described.
Other Notes	Small volumes of anti-DNM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DNM1 purchase	MBS2518394 is an antibody targeting DNM1. Also known as DNM1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-DNM1 antibody
Western Blot analysis of Mouse brain tissue using DNM1 Polyclonal Antibody at dilution of 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DNM1. It may not necessarily be applicable to this product.

NCBI GI #	570359601
NCBI GeneID	1759
NCBI Accession #	NP_001275668.1
UniProt Secondary Accession #	Q5SYX0; Q5SYX2; Q6P3T6; Q86VD2; A6NLM6
UniProt Related Accession #	Q05193
GenBank Nucleotide #	NM_001288739.1
NCBI Official Full Name	dynamin-1 isoform 4
NCBI Official Synonym Full Names	dynamin 1
NCBI Official Symbol	DNM1
NCBI Official Synonym Symbols	DNM
UniProt Protein Name	Dynamin-1
Protein Family	Dynamin
UniProt Gene Name	DNM1
UniProt Synonym Gene Names	DNM
UniProt Entry Name	DYN1_HUMAN
NCBI Protein Information	dynamin-1

UniProt Comments for DNM1	DYN1: a microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes. Concentrates within the presynaptic compartment and may participate in specialized neuronal functions such as rapid synaptic vesicle recycling. Part of a protein network that controls nucleation of actin from membranes. Contains one PH domain. Protein type: Motor; EC 3.6.5.5; Vesicle; Motility/polarity/chemotaxis; Microtubule-binding; Hydrolase Chromosomal Location of Human Ortholog: 9q34 Cellular Component: microtubule; membrane coat; plasma membrane Molecular Function: GTPase activity; protein C-terminus binding; identical protein binding; protein binding; GTP binding; protein complex binding; nitric-oxide synthase binding; protein kinase binding Biological Process: receptor-mediated endocytosis; axon guidance; endosome organization and biogenesis; receptor internalization; ephrin receptor signaling pathway; endocytosis Disease: Epileptic Encephalopathy, Early Infantile, 31
Research Articles on DNM1	**1.** determined the alpha-synuclein-binding domain of beta-III tubulin and demonstrated that a short fragment containing this domain can suppress alpha-synuclein accumulation in the primary cultured cells
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