Dynamin-1 (DNM1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Dynamin-1 (DNM1), Polyclonal Antibody
Full Product Name	Rabbit anti-human Dynamin-1 polyclonal Antibody(DNM1), HRP conjugated
Product Gene Name	anti-DNM1 antibody
Product Synonym Names	DNM1; DNM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: DNM1 (MBS1492253) HRP Conjugated Antibody: DNM1 (MBS969096)
Molecular Weight	95,895 Da
OMIM	602377
3D Structure	ModBase 3D Structure for Q05193
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	HRP
Immunogen	Recombinant human Dynamin-1 protein(2-245AA)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6402 / sc-6401 / sc-58260 / sc-11362
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DNM1 antibody	ELISA (EIA)
Related Product Information for anti-DNM1 antibody	Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes. Involved in receptor-mediated endocytosis.
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	MBS969096 is an antibody targeting DNM1. Also known as Rabbit anti-human Dynamin-1 polyclonal Antibody(DNM1), HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	56549117

NCBI GeneID	1759
NCBI Accession #	NP_001005336.1
UniProt Primary Accession #	Q05193
UniProt Secondary Accession #	Q5SYX0; Q5SYX2; Q6P3T6; Q86VD2; A6NLM6
UniProt Related Accession #	Q05193
GenBank Nucleotide #	NM_001005336.2
NCBI Official Full Name	dynamin-1 isoform 2
NCBI Official Synonym Full Names	dynamin 1
NCBI Official Symbol	DNM1
NCBI Official Synonym Symbols	DNM; EIEE31
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
NCBI Summary for DNM1	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. [provided by RefSeq, Jul 2008]
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: Microtubule-binding; Motility/polarity/chemotaxis; Hydrolase; Motor; EC 3.6.5.5; Vesicle Chromosomal Location of Human Ortholog: 9q34 Cellular Component: Golgi apparatus; membrane coat; microtubule; myelin sheath; photoreceptor inner segment; plasma membrane; synaptic vesicle Molecular Function: D2 dopamine receptor binding; GTP binding; GTPase activity; identical protein binding; nitric-oxide synthase binding; protein binding; protein C-terminus binding; protein complex binding; protein dimerization activity; protein kinase binding Biological Process: adult locomotory behavior; axon guidance; endocytosis; endosome organization and biogenesis; ephrin receptor signaling pathway; G-protein coupled receptor internalization; protein tetramerization; receptor-mediated endocytosis; sensory perception of sound; synaptic transmission, GABAergic Disease: Epileptic Encephalopathy, Early Infantile, 31
Research Articles on DNM1	**1.** This study identified and confirmed DNM1 protein changes within the postsynaptic density in schizophrenia.

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