MIEF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MIEF1, Polyclonal Antibody
Full Product Name	MIEF1 Antibody, Biotin conjugated
Product Gene Name	anti-MIEF1 antibody
Product Synonym Names	Mitochondrial dynamics protein MID51; MIEF1; MID51; SMCR7L; Mitochondrial dynamics protein of 51 kDa; Mitochondrial elongation factor 1; Smith-Magenis syndrome chromosomal region candidate gene 7 protein-like; SMCR7-like protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	>95%, Protein G 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: MIEF1 (MBS1495472) Biotin Conjugated Antibody: MIEF1 (MBS969065)
Molecular Weight	15,631 Da
OMIM	615497
3D Structure	ModBase 3D Structure for Q9NQG6
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Biotin
Immunogen	Recombinant human Mitochondrial dynamics protein MID51 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-134014 / sc-86875
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MIEF1 antibody	ELISA (EIA)
Related Product Information for anti-MIEF1 antibody	Mitochondrial outer membrane protein which regulates mitochondrial fission. Promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface independently of the mitochondrial fission FIS1 and MFF proteins. Regulates DNM1L GTPase activity and DNM1L oligomerization. Binds ADP and can also bind GDP, although with lower affinity. Does not bind CDP, UDP, ATP, AMP or GTP. Inhibits DNM1L GTPase activity in the absence of bound ADP. Requires ADP to stimulate DNM1L GTPase activity and the assembly of DNM1L into long, oligomeric tubules with a spiral pattern, as opposed to the ring-like DNM1L oligomers observed in the absence of bound ADP. Does not require ADP for its function in recruiting DNM1L.
Other Notes	Small volumes of anti-MIEF1 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 MIEF1 purchase	MBS969065 is an antibody targeting MIEF1. Also known as MIEF1 Antibody, Biotin conjugated. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MIEF1. It may not necessarily be applicable to this product.

NCBI GI #	752507721
NCBI GeneID	54471
NCBI Accession #	NP_001291493.1
UniProt Primary Accession #	Q9NQG6
UniProt Secondary Accession #	Q7L890; Q9BUI3
UniProt Related Accession #	Q9NQG6
GenBank Nucleotide #	NM_001304564.1
NCBI Official Full Name	mitochondrial dynamics protein MID51 isoform 2
NCBI Official Synonym Full Names	mitochondrial elongation factor 1
NCBI Official Symbol	MIEF1
NCBI Official Synonym Symbols	MID51; SMCR7L; HSU79252; dJ1104E15.3
UniProt Protein Name	Mitochondrial dynamics protein MID51
UniProt Synonym Protein Names	Mitochondrial dynamics protein of 51 kDa; Mitochondrial elongation factor 1; Smith-Magenis syndrome chromosomal region candidate gene 7 protein-like; SMCR7-like protein
Protein Family	Mitochondrial dynamics protein
UniProt Gene Name	MIEF1
UniProt Synonym Gene Names	MID51; SMCR7L; SMCR7-like protein
UniProt Entry Name	MID51_HUMAN
NCBI Protein Information	mitochondrial dynamics protein MID51
Research Articles on MIEF1	**1.** The cytoplasmic domain of MiD51 was overexpressed, purified and crystallized.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/mief1/969065