Dysferlin (DYSF) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Dysferlin (DYSF), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Dysferlin (DYSF)
Product Gene Name	anti-DYSF antibody
Product Synonym Names	FER1L1; LGMD2B; Dysferlin, Limb Girdle Muscular Dystrophy 2B (Autosomal Recessive); Fer-1-like protein 1; Dystrophy-associated fer-1-like protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Pig
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: DYSF (MBS2025944) APC Conjugated Antibody: DYSF (MBS2065705)
Matching Pairs	APC Conjugated Antibody: DYSF (MBS2065705) Immunogen: DYSF (MBS2029729)
Molecular Weight	222,315 Da
OMIM	AF075575 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	DYSF (Met1~Tyr479)
Conjugation	APC
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2025944
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-DYSF antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-DYSF antibody	MBS2065705 is an antibody targeting DYSF. Also known as APC-Linked Polyclonal Antibody to Dysferlin (DYSF). Reactive in Human, Mouse, Rat, Pig. Host: Rabbit.
Other Notes	Small volumes of anti-DYSF 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.

ADDITIONAL DETAILS

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

NCBI GI #	3600028
NCBI GeneID	8291
NCBI Accession #	AAC63519.1

UniProt Secondary Accession #	A0FK00; B1PZ70; B1PZ71; B1PZ72; B1PZ73; B1PZ74; B1PZ75; B1PZ76; B1PZ77; B1PZ78; B1PZ79
UniProt Related Accession #	O75923
NCBI Official Full Name	dysferlin
NCBI Official Synonym Full Names	dysferlin
NCBI Official Symbol	DYSF
NCBI Official Synonym Symbols	MMD1; FER1L1; LGMD2B
UniProt Protein Name	Dysferlin
UniProt Synonym Protein Names	Dystrophy-associated fer-1-like protein; Fer-1-like protein 1
Protein Family	Dysferlin
UniProt Gene Name	DYSF
UniProt Synonym Gene Names	FER1L1
NCBI Protein Information	dysferlin
NCBI Summary for DYSF	The protein encoded by this gene belongs to the ferlin family and is a skeletal muscle protein found associated with the sarcolemma. It is involved in muscle contraction and contains C2 domains that play a role in calcium-mediated membrane fusion events, suggesting that it may be involved in membrane regeneration and repair. In addition, the protein encoded by this gene binds caveolin-3, a skeletal muscle membrane protein which is important in the formation of caveolae. Specific mutations in this gene have been shown to cause autosomal recessive limb girdle muscular dystrophy type 2B (LGMD2B) as well as Miyoshi myopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2008]
UniProt Comments for DYSF	DYSF: Key calcium ion sensor involved in the Ca(2+)-triggered synaptic vesicle-plasma membrane fusion. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress. Defects in DYSF are the cause of limb-girdle muscular dystrophy type 2B (LGMD2B). LGMD2B is an autosomal recessive degenerative myopathy characterized by weakness and atrophy starting in the proximal pelvifemoral muscles, with onset in the late teens or later, massive elevation of serum creatine kinase levels and slow progression. Scapular muscle involvement is minor and not present at onset. Upper limb girdle involvement follows some years after the onset in lower limbs. Defects in DYSF are the cause of Miyoshi muscular dystrophy type 1 (MMD1). MMD1 is a late-onset muscular dystrophy involving the distal lower limb musculature. It is characterized by weakness that initially affects the gastrocnemius muscle during early adulthood. Otherwise the phenotype overlaps with LGMD2B, especially in age at onset and creatine kinase elevation. Defects in DYSF are the cause of distal myopathy with anterior tibial onset (DMAT). Onset of the disorder is between 14 and 28 years of age and the anterior tibial muscles are the first muscle group to be involved. Inheritance is autosomal recessive. Belongs to the ferlin family. 15 isoforms of the human protein are produced by alternative splicing. Protein type: Calcium-binding; Membrane protein, integral; Vesicle Chromosomal Location of Human Ortholog: 2p13.2 Cellular Component: cytoplasmic vesicle membrane; early endosome; endocytic vesicle; endosome; late endosome; plasma membrane; sarcolemma; T-tubule Molecular Function: calcium ion binding; calcium-dependent phospholipid binding; phospholipid binding; protein binding Biological Process: muscle contraction Disease: Miyoshi Muscular Dystrophy 1; Muscular Dystrophy, Limb-girdle, Type 2b; Myopathy, Distal, With Anterior Tibial Onset
Research Articles on DYSF	**1.** results support a function for dysferlin as a calcium-sensing SNARE effector for membrane fusion events

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-pig-rat-antibody/dysferlin-dysf/2065705