Datasheet for ABIN2782235

# anti-Dysferlin antibody (Middle Region)

1 Image | 1 Publication

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## Overview

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| Quantity: | 100 µL |
| Target: | Dysferlin (DYSF) |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Horse, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Dysferlin antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human DYSF |
| Sequence: | SRILDESEDT DLPYPPPQRE ANIYMVPQNI KPALQRTAIE ILAWGLRNMK |
| Predicted Reactivity: | Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%, Zebrafish: 92% |
| Characteristics: | This is a rabbit polyclonal antibody against DYSF. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | Dysferlin (DYSF) |

## Target Details

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| Alternative Name: | DYSF (DYSF Products) |
| Background: | DYSF 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, DYSF 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.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.<br>Alias Symbols: FER1L1, FLJ00175, FLJ90168, LGMD2B, MMD1<br>Protein Interaction Partner: UBC, HECW2, HDAC6, CAV3, ANXA2, ANXA1, CAPN3,<br>Protein Size: 2080 |
| Molecular Weight: | 237 kDa |
| Gene ID: | 8291 |
| NCBI Accession: | NM_003494, NP_003485 |
| UniProt: | O75923 |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 2080 AA |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |

## Handling

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| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Publications

| | |
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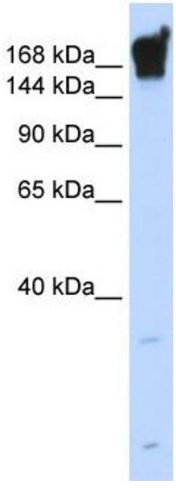
| Product cited in: | Leshinsky-Silver, Argov, Rozenboim, Cohen, Tzofi, Cohen, Wirguin, Dabby, Lev, Sadeh: " Dysferlinopathy in the Jews of the Caucasus: a frequent mutation in the dysferlin gene." in: **Neuromuscular disorders : NMD**, Vol. 17, Issue 11-12, pp. 950-4, (2007) (PubMed). |

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-DYSF Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human Muscle