

Goat Anti-dysferlin Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4253a**Specification**

Goat Anti-dysferlin Antibody (internal region) - Product Information

Application	E
Primary Accession	O75923
Other Accession	312492(rat) , NP_001124459.1 , NP_001123927.1 , NP_001124458.1 , NP_001124457.1 , NP_001124456.1 , NP_001124455.1 , NP_001124454.1 , NP_003485.1 , NP_001124448.1 , NP_001124449.1 , NP_001124450.1 , NP_001124451.1 , NP_001124452.1 , NP_001124453.1
Predicted	Human, Rat, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	237295

Goat Anti-dysferlin Antibody (internal region) - Additional Information**Gene ID** 8291**Other Names**

DYSF; dysferlin, limb girdle muscular dystrophy 2B (autosomal recessive); FER1L1; LGMD2B; MMD1; dysferlin; dystrophy-associated fer-1-like 1; dystrophy-associated fer-1-like protein; fer-1-like protein 1

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence HLFCQQHRVKAP, from the internal region of the protein sequence according to [NP_001124459.1](#); [NP_001123927.1](#); [NP_001124458.1](#); [NP_001124457.1](#); [NP_001124456.1](#); [NP_001124455.1](#); [NP_001124454.1](#); [NP_003485.1](#); [NP_001124448.1](#); [NP_001124449.1](#); [NP_001124450.1](#); [NP_001124451.1](#); [NP_001124452.1](#); [NP_001124453.1](#).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-dysferlin Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-dysferlin Antibody (internal region) - Protein Information

Name DYSF

Synonyms FER1L1

Function

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 (By similarity).

Cellular Location

Cell membrane, sarcolemma; Single-pass type II membrane protein. Cytoplasmic vesicle membrane; Single-pass type II membrane protein. Cell membrane Note=Colocalizes, during muscle differentiation, with BIN1 in the T-tubule system of myotubules and at the site of contact between two myotubes or a myoblast and a myotube. Wounding of myotubes led to its focal enrichment to the site of injury and to its relocation in a Ca^{2+} -dependent manner toward the plasma membrane. Colocalizes with AHNAK, AHNAK2 and PARVB at the sarcolemma of skeletal muscle. Detected on the apical plasma membrane of the syncytiotrophoblast. Reaches the plasma membrane through a caveolin-independent mechanism. Retained by caveolin at the plasma membrane (By similarity). Colocalizes, during muscle differentiation, with CACNA1S in the T-tubule system of myotubules (By similarity). Accumulates and colocalizes with fusion vesicles at the sarcolemma disruption sites (By similarity)

Tissue Location

Expressed in skeletal muscle, myoblast, myotube and in the syncytiotrophoblast (STB) of the placenta (at protein level) Ubiquitous. Highly expressed in skeletal muscle. Also found in heart, brain, spleen, intestine, placenta and at lower levels in liver, lung, kidney and pancreas.

Goat Anti-dysferlin Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-dysferlin Antibody (internal region) - Images

Goat Anti-dysferlin Antibody (internal region) - References

Dysferlin regulates cell adhesion in human monocytes. de Morrée A, Flix B, Bagaric I, Wang J, van den Boogaard M, Grand Moursel L, Frants RR, Illa I, Gallardo E, Toes R, van der Maarel SM. The Journal of biological chemistry 2013 May 288 (20): 14147-57.