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Dysferlin Antibody

Rabbit mAb
Catalog # AP90600

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	O75923
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	DYSF; Dysferlin; Fer-1-like protein 1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	237295

Additional Information

Dilution	WB 1:500~1:1000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Dysferlin
Description	Dysferlin 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. Belongs to the ferlin family. Interacts with CACNA1S. Interacts with ANXA1; the interaction is Ca(2+)- and injury state-dependent.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

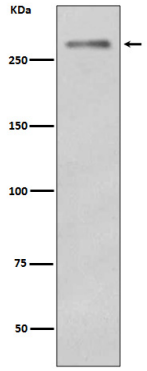
Name	DYSF
Synonyms	FER1L1
Function	Key calcium ion sensor involved in the Ca(2+)-triggered synaptic vesicle-plasma membrane fusion. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress (By similarity).
Cellular Location	Cell membrane, sarcolemma; Single-pass type IV membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q9ESD7}; Single-pass type IV membrane protein. Cell membrane; Single-pass type IV membrane protein. Late endosome membrane; Single-pass type IV membrane protein. 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 relocalization 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 plasmma membrane through a caveolin-independent mechanism. Retained by caveolin at the plasmma 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) {ECO:0000250|UniProtKB:Q9ESD7}

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.

Images



Western blot analysis of Dysferlin expression in Mouse skeletal muscle tissue lysate.

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