SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Tafazzin antibody

Catalog Number: SL15504R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Tafazzin
Immunogen:	KLH conjugated synthetic peptide derived from human Tafazzin: 201-292/292
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Sheep)
Predicted MW.:	33kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	This gene encodes a protein that is expressed at high levels in cardiac and skeletal muscle. Mutations in this gene have been associated with a number of clinical disorders including Barth syndrome, dilated cardiomyopathy (DCM), hypertrophic DCM, endocardial fibroelastosis, and left ventricular noncompaction (LVNC). Multiple transcript variants encoding different isoforms have been described. A long form and a short form of each of these isoforms is produced; the short form lacks a hydrophobic leader sequence and may exist as a cytoplasmic protein rather than being membrane-bound. Other alternatively spliced transcripts have been described but the full-length nature of all these transcripts is not known. [provided by RefSeq, Jul 2008].

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Function: Some isoforms may be involved in cardiolipin (CL) metabolism. **Subcellular Location:** Isoform 1, 3, 4, 5, 7: Membrane; Single-pass membrane protein. Isoform 2, 6, 8, 9: Cytoplasm (Probable). **Tissue Specificity:** High levels in cardiac and skeletal muscle. Up to 10 isoforms can be present in different amounts in different tissues. Most isoforms are ubiquitous. Isoforms that lack the N-terminus are found in leukocytes and fibroblasts, but not in heart and skeletal muscle. Some forms appear restricted to cardiac and skeletal muscle or to leukocytes. DISEASE: Barth syndrome (BTHS) [MIM:302060]: An X-linked disease characterized by dilated cardiomyopathy with endocardial fibroelastosis, a predominantly proximal skeletal myopathy, growth retardation, neutropenia, and organic aciduria, particularly excess of 3-methylglutaconic acid. Additional features include hypertrophic cardiomyopathy, isolated left ventricular non-compaction, ventricular arrhythmia, motor delay, poor appetite, fatigue and exercise intolerance, hypoglycemia, lactic acidosis, hyperammonemia, and dramatic late catch-up growth after growth delay throughout childhood. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the taffazin family. **Database links:** **Entrez Gene:** 6901 Human **Entrez Gene:** 66826 Mouse Omim: 300394 Human **SwissProt:** Q16635 Human **Unigene:** 409911 Human

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