Best Tools for immunology Research

Tafazzin Polyclonal Antibody

Catalog No :	YT4532
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	Tafazzin
Fields :	>>Glycerophospholipid metabolism
Gene Name :	TAZ
Protein Name :	Tafazzin
Human Gene Id :	6901
Human Swiss Prot No :	Q16635
Immunogen :	Synthesized peptide derived from the Internal region of human Tafazzin.
Specificity :	Tafazzin Polyclonal Antibody detects endogenous levels of Tafazzin protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	33kD

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],

Function : disease:Defects in TAZ are the cause of 3-methylglutaconic aciduria type 2 (MGA2) [MIM:302060]. MGA2 is a severe metabolic disorder, often fatal in childhood, characterized by dilated cardiomyopathy, skeletal myopathy, short stature, neutropenia and 3-methylglutaconicaciduria.,disease:Defects in TAZ are the cause of non-compaction of left ventricular myocardium isolated X-linked (LVNCX) [MIM:300183]. LVNC is due to an arrest of myocardial morphogenesis. The disorder is characterized by a hypertrophic left ventricular with deep trabeculations and with poor systolic function, with or without associated left ventricular dilation. In some cases, the right ventricle is also affected.,domain:The hydrophilic domain may serve as an exposed loop interacting with other proteins.,function:Some isoforms may be involved in cardiolipin metabolism.,online information:TAZ mutation db,similarity:Belongs

Subcellular Location : Mitochondrion outer membrane ; Peripheral membrane protein ; Intermembrane side . Mitochondrion inner membrane ; Peripheral membrane protein ; Intermembrane side .; [Isoform 1]: Mitochondrion membrane .; [Isoform 2]: Cytoplasm .; [Isoform 3]: Mitochondrion membrane .; [Isoform 5]: Mitochondrion membrane .; [Isoform 6]: Cytoplasm .; [Isoform 7]: Mitochondrion membrane .; [Isoform 8]: Cytoplasm .; [Isoform 9]: Cytoplasm .

Expression : 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.

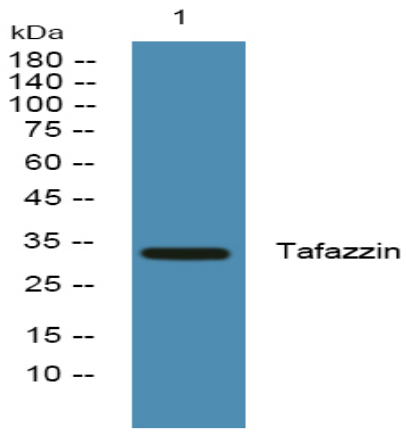
Sort : 16894

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°over night