

Immunotag™ Tafazzin Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4532
Product Description	Immunotag™ Tafazzin Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Tafazzin
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from the Internal region of human Tafazzin.
Specificity	Tafazzin Polyclonal Antibody detects endogenous levels of Tafazzin protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TAZ
Accession No.	Q16635
Alternate Names	TAZ; EFE2; G4.5; Tafazzin; Protein G4.5

Antibody Specification

Description	tafazzin(TAZ) Homo sapiens 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],
Protein Expression	Heart,Lymph,Skeletal muscle,
Subcellular Localization	nucleus,mitochondrion,mitochondrial inner membrane,cytosol,integral component of membrane,intrinsic component of membrane,mitochondrial membrane,
Protein 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 to the taffazin family.,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.,
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