G-Biosciences Image not found or type unknown

Immunotag™ Sarcoglycan-β Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4216
Product Description	Immunotag™ Sarcoglycan-β 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	Sarcoglycan-β
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human Sarcoglycan-beta. AA range:87-136
Specificity	Sarcoglycan-β Polyclonal Antibody detects endogenous levels of Sarcoglycan-β 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	SGCB
Accession No.	Q16585 P82349
Alternate Names	SGCB; Beta-sarcoglycan; Beta-SG; 43 kDa dystrophin-associated glycoprotein; 43DAG; A3b

Antibody Specification

Description	sarcoglycan beta(SGCB) Homo sapiens This gene encodes a member of the sarcoglycan family. Sarcoglycans are transmembrane components in the dystrophin-glycoprotein complex which help stabilize the muscle fiber membranes and link the muscle cytoskeleton to the extracellular matrix. Mutations in this gene have been associated with limb-girdle muscular dystrophy.[provided by RefSeq, Oct 2008],
Cell Pathway/ Category	Hypertrophic cardiomyopathy (HCM),Arrhythmogenic right ventricular cardiomyopathy (ARVC),Dilated cardiomyopathy,Viral myocarditis,
Protein Expression	Corpus callosum,Liver,Muscle,Placenta,Skeletal muscle,
Subcellular Localization	cytoplasm,cytoskeleton,integral component of plasma membrane,dystrophin-associated glycoprotein complex,sarcoglycan complex,integral component of membrane,sarcolemma,
Protein Function	disease:Defects in SGCB are the cause of limb-girdle muscular dystrophy type 2E (LGMD2E) [MIM:604286]. LGMD2E is an autosomal recessive disorder.,function:Component of the sarcoglycan complex, a subcomplex of the dystrophin-glycoprotein complex which forms a link between the F-actin cytoskeleton and the extracellular matrix.,online information:SGCB mutations in LGMD2E,PTM:Disulfide bonds are present.,similarity:Belongs to the sarcoglycan beta/delta/gamma/zeta family.,subunit:Cross-link to form 2 major subcomplexes: one consisting of SGCB, SGCD and SGCG and the other consisting of SGCB and SGCD. The association between SGCB and SGCG is particularly strong while SGCA is loosely associated with the other sarcoglycans.,tissue specificity:Highest expression in heart and skeletal muscle. Low expression in brain, kidney, placenta, pancreas and lung. High expression in fetal brain. Also found in fetal lung, kidney and liver.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.