

Sarcoglycan a Polyclonal Antibody

Catalog No: YT4215

Reactivity: Human; Mouse

Applications: WB;IHC

Target: Sarcoglycan a

Fields: >>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular

cardiomyopathy;>>Dilated cardiomyopathy;>>Viral myocarditis

Gene Name: SGCA

Protein Name: Alpha-sarcoglycan

Human Gene Id: 6442

Human Swiss Prot

No:

Mouse Gene ld: 20391

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

SGCA. AA range:161-210

Specificity: Sarcoglycan α Polyclonal Antibody detects endogenous levels of Sarcoglycan α

protein.

Q16586

P82350

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000;IHC 1:50-300

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: 43kD

Cell Pathway: Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular

cardiomyopathy (ARVC); Dilated cardiomyopathy; Viral myocarditis;

Background: sarcoglycan alpha(SGCA) Homo sapiens This gene encodes a component of

the dystrophin-glycoprotein complex (DGC), which is critical to the stability of muscle fiber membranes and to the linking of the actin cytoskeleton to the extracellular matrix. Its expression is thought to be restricted to striated muscle. Mutations in this gene result in type 2D autosomal recessive limb-girdle muscular dystrophy. Multiple transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Oct 2008],

Function: disease:Defects in SGCA are the cause of limb-girdle muscular dystrophy type

2D (LGMD2D) [MIM:608099]; also known as Duchenne-like muscular dystrophy autosomal recessive type 2 or severe childhood autosomal recessive muscular

dystrophy (SCARMD). LGMD2D is an autosomal recessive degenerative myopathy characterized by progressive muscle wasting from early childhood with

loss of independent ambulation by teenage years. Muscle biopsy shows necrosis, decreased immunostaining for alpha sarcoglycan, and adhalin deficiency. The phenotype is less severe than LGMD2C.,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:SGCA mutations in LGMD2D, similarity:Belongs to the sarcoglycan alpha/epsilon family., subunit:Interacts with the syntrophin SNTA1. Cross-

Subcellular Location:

Cell membrane, sarcolemma ; Single-pass type I membrane protein . Cytoplasm,

cytoskeleton.

Expression : Most strongly expressed in skeletal muscle. Also expressed in cardiac muscle

and, at much lower levels, in lung. In the fetus, most abundant in cardiac muscle and, at lower levels, in lung. Also detected in liver and kidney. Not expressed in

brain.

Tag: orthogonal

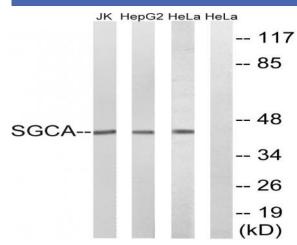
Sort : 14767

No4: 1

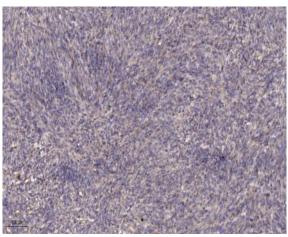
Host: Rabbit

Modifications: Unmodified

Products Images



Western blot analysis of lysates from HeLa, HepG2, and Jurkat cells, using SGCA Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).