产品名称：Sarcoglycan α Rabbit Polyclonal Antibody
产品货号：APRab17606

产品概述（Summary）

产品名称（Production Name）	Sarcoglycan α Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC
种属反应性（Reactivity）	Human,Mouse

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	SGCA
别名（Alternative Names）	SGCA; ADL; DAG2; Alpha-sarcoglycan; Alpha-SG; 50 kDa dystrophin-associated glycoprotein; 50DAG; Adhalin; Dystroglycan-2
基因 ID（Gene ID）	6442.0
蛋白 ID（SwissProt ID）	Q16586.The antiserum was produced against synthesized peptide derived from human SGCA. AA range:161-210

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量（Molecular Weight）	43kDa

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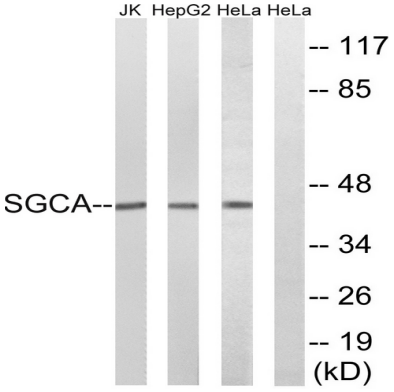
研究背景（Background）

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],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-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: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.,

研究领域（Research Area）

Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;Viral myocarditis;

图片（Image Data）



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.

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注意事项（Note）

For research use only .