SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-alpha Sarcoglycan antibody

Catalog Number: SL22471R

FOR RESEARCH USE ONLY

[DATASHEET]

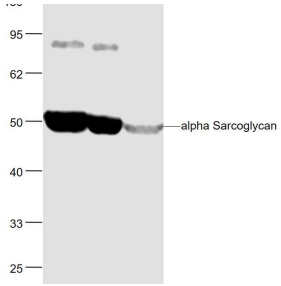
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	alpha Sarcoglycan
Immunogen:	KLH conjugated synthetic peptide derived from human alpha Sarcoglycan: 211-310/387 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Pig, Cow, Rabbit)
Predicted MW.:	40kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	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. **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. **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 (By similarity). **Subcellular Location:** Cell membrane > sarcolemma. Cytoplasm > cytoskeleton. **Tissue Specificity:** Most strongly expressed in skeletal muscle. Also

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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. 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. **Similarity:** Belongs to the sarcoglycan alpha/epsilon family. **Database links:** **Entrez Gene:** 6442 Human **Entrez Gene:** 20391 Mouse **Entrez Gene:** 303468 Rat Omim: 600119 Human **SwissProt:** Q16586 Human **SwissProt:** P82350 Mouse **SwissProt:** Q5SWB2 Mouse **SwissProt:** Q28686 Rabbit **Unigene:** 463412 Human **Unigene:** 18709 Mouse **Unigene:** 136653 Rat

[VALIDATION IMAGES]



Sample:
Heart (Mouse) Lysate at 40 ug
Heart (Rat) Lysate at 40 ug
Kidney (Mouse) Lysate at 40 ug
Primary: Anti-alpha Sarcoglycan (SL22471R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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Predicted band size: 50 kD
Observed band size: 50 kD

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