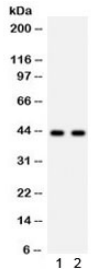
SGCA Antibody (R32245)

Catalog No.	Formulation	Size
R32245	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q16586
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This SGCA antibody is available for research use only.



Western blot testing of 1) rat skeletal muscle and 2) mouse skeletal muscle lysate with SGCA antibody. Predicted molecular weight: 43~50 kDa.

Description

Alpha-sarcoglycan, or Dystroglycan 2, is a protein that in humans is encoded by the SGCA gene. 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.

Application Notes

Optimal dilution of the SGCA antibody should be determined by the researcher.

Immunogen

Amino acids 24-387 of human SGCA were used as the immunogen for the SGCA antibody.

Storage

After reconstitution, the SGCA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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