

RecomAb™

SGCG recombinant monoclonal antibody, clone R03-3G4

Catalog # RAB06459 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SGCG.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human SGCG.
Theoretical MW (kDa)	Calculated MW: 32 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

- Immunoprecipitation

Gene Info — SGCG

Entrez GeneID	6445
Protein Accession#	Q13326
Gene Name	SGCG
Gene Alias	A4, DAGA4, DMDA, DMDA1, LGMD2C, MAM, MGC130048, SCARMD2, SCG3, TYPE
Gene Description	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein)
Omim ID	253700 608896
Gene Ontology	Hyperlink
Gene Summary	This gene encodes gamma-sarcoglycan, one of several sarcolemmal transmembrane glycoproteins that interact with dystrophin. The dystrophin-glycoprotein complex (DGC) spans the sarcolemma and is comprised of dystrophin, syntrophin, alpha- and beta-dystroglycans and sarcoglycans. The DGC provides a structural link between the subsarcolemmal cytoskeleton and the extracellular matrix of muscle cells. Defects in the encoded protein can lead to early onset autosomal recessive muscular dystrophy, in particular limb-girdle muscular dystrophy, type 2C (LGMD2C). [provided by RefSeq]
Other Designations	35kD dystrophin-associated glycoprotein OTTHUMP00000018112 gamma sarcoglycan sarcoglycan, gamma (35kD dystrophin-associated glycoprotein)

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Muscular Dystrophies](#)
- [Tobacco Use Disorder](#)