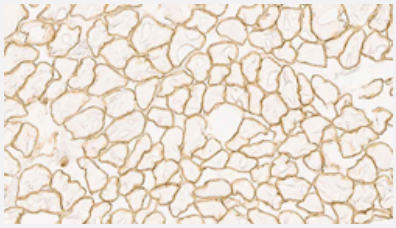
SGCA monoclonal antibody, clone Ad1/20A6

Catalog # MAB22771 Size

Applications



Immunohistochemistry (Frozen sections)

Immunohistochemical staining of rat skeletal muscle fibers. Note the demonstration of localized Alpha Sarcoglycan to the sarcolemma of the muscle fibers.

Specification

Product Description	Mouse monoclonal antibody raised against SGCA.
Immunogen	Fusion protein corresponding to amino acids 217-289 of the rabbit adhalin.
Host	Mouse
Reactivity	Human, Rabbit, Rat
Specificity	Human alpha-sarcoglycan, also known as adhalin. Also crossreacts strongly with alpha-sarcoglycan in sections of muscle from rat and rabbit.
Form	Liquid
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Frozen sections) (1:100-1:200 for 60 minutes at 25°C) The optimal working dilution should be determined by the end user.
Storage Buffer	In tissue culture supernatant (0.09% sodium azide).
Storage Instruction	Store at 4°C. Do not freeze. Return to 2-8°C immediately after use. Do not use after expiration date indicated on the vial label.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Recommended positive control tissue is skeletal muscle.

Applications

- Immunohistochemistry (Frozen sections)

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Gene Info — SGCA

Entrez GeneID	6442
Gene Name	SGCA
Gene Alias	50-DAG, A2, ADL, DAG2, DMDA2, LGMD2D, SCARMD1, adhalin
Gene Description	sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein)
Omim ID	600119 608099
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	50kD DAG|sarcoglycan, alpha

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Hypertrophic cardiomyopathy (HCM)