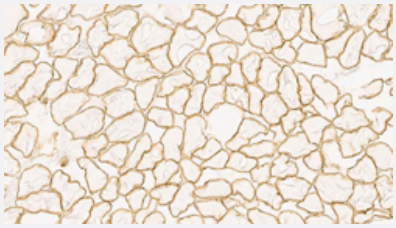
# SGCA monoclonal antibody, clone Ad1/20A6

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

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| **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)<br>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. |

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

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## Gene Info — SGCA

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|---|---|
| **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)