

SGCA Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17217c**Specification**

SGCA Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q16586](#)**SGCA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6442**Other Names**

Alpha-sarcoglycan, Alpha-SG, 50 kDa dystrophin-associated glycoprotein, 50DAG, Adhalin, Dystroglycan-2, SGCA, ADL, DAG2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SGCA Antibody (Center) Blocking Peptide - Protein Information**Name** SGCA**Synonyms** ADL, DAG2**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.

Cellular Location

Cell membrane, sarcolemma; Single-pass type I membrane protein. Cytoplasm, cytoskeleton

Tissue Location

Most strongly expressed in skeletal muscle. Also 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

SGCA Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SGCA Antibody (Center) Blocking Peptide - Images

SGCA Antibody (Center) Blocking Peptide - Background

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.

SGCA Antibody (Center) Blocking Peptide - References

Mendell, J.R., et al. Ann. Neurol. 68(5):629-638(2010) Fernandez, K., et al. Am. J. Pathol. 176(1):416-434(2010) Klinge, L., et al. Neuromuscul. Disord. 18(12):934-941(2008) Delgado-Olguin, P., et al. Biochim. Biophys. Acta 1779(1):74-80(2008) Rafii, M.S., et al. J. Cell. Physiol. 209(2):439-447(2006)