

## SGCD Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16115b

# **Specification**

### SGCD Antibody (C-term) - Product Information

Application WB,E
Primary Accession 092629

Other Accession <u>NP\_001121681.1</u>, <u>NP\_000328.2</u>, <u>NP\_758447.1</u>

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Mouse
Rabbit
Polyclonal
Rabbit IgG
32071
232-261

## SGCD Antibody (C-term) - Additional Information

#### **Gene ID 6444**

### **Other Names**

Delta-sarcoglycan, Delta-SG, 35 kDa dystrophin-associated glycoprotein, 35DAG, SGCD

### Target/Specificity

This SGCD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-261 amino acids from the C-terminal region of human SGCD.

# **Dilution**

WB~~1:1000

## **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

SGCD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# SGCD Antibody (C-term) - Protein Information

# Name SGCD

**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 II membrane protein. Cytoplasm, cytoskeleton

#### **Tissue Location**

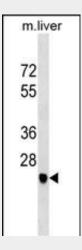
Most strongly expressed in skeletal and cardiac muscle. Also detected in smooth muscle. Weak expression in brain and lung

# SGCD Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# SGCD Antibody (C-term) - Images



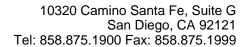
SGCD Antibody (C-term) (Cat. #AP16115b) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the SGCD antibody detected the SGCD protein (arrow).

## SGCD Antibody (C-term) - Background

The protein encoded by this gene is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene.

# SGCD Antibody (C-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)





Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Zimmerman, R.S., et al. Genet. Med. 12(5):268-278(2010) Ordonez-Razo, R.M., et al. Genet Test Mol Biomarkers 14(2):237-240(2010) Lin, W.Y., et al. BMC Res Notes 3, 26 (2010) :