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## **Human delta-Sarcoglycan/SGCD antibody**

Catalog Number: ATGA0294

## **PRODUCT INFORMATION**

## Catalog number

ATGA0294

#### Clone No.

AT19G8

#### **Product type**

Monoclonal Antibody

#### UnitProt No.

Q92629

#### **NCBI Accession No.**

NP 001121681

#### **Alternative Names**

Delta-sarcoglycan, 35DAG, CMD1L, DAGD, SG-delta, SGCDP, SGD, LGMD2F, Delta-SG

## **PRODUCT SPECIFICATION**

## **Antibody Host**

Mouse

#### **Reacts With**

Human

#### Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

#### **Immunogen**

Recombinant human SGCD (57-289aa) purified from E. coli

### Isotype

IgG1b kappa

## **Purification Note**

By protein-A affinity chromatography

## **Application**

ELISA, WB

#### Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

#### Storage



## Human delta-Sarcoglycan/SGCD antibody

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

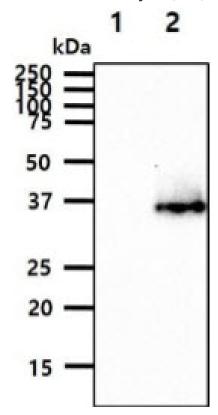
SGCD is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophinglycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. It is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene 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.

#### **General References**

Thompson T.G., et al. (2000) J. Biol. Chem. 148: 115-126. Entrez Gene: SGCD sarcoglycan, delta.

## **DATA**

## Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SGCD antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate

Lane 2.: SGCD transfected 293T cell lysate

