

# SGCZ Polyclonal antibody

Catalog Number: 21614-1-AP

## Basic Information

**Catalog Number:**

21614-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16305

**GenBank Accession Number:**

BC125037

**GeneID (NCBI):**

137868

**UNIPROT ID:**

Q96LD1

**Full Name:**

sarcoglycan zeta

**Calculated MW:**

265 aa, 30 kDa

**Observed MW:**

30-40 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IF-P 1:50-1:500

## Applications

**Tested Applications:**

WB, IF-P, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

**WB :** mouse heart tissue, mouse brain tissue, rat heart tissue

**IF-P :** mouse heart tissue,

## Background Information

Sarcoglycan zeta, also known as SGCZ, ZSG1, is part of the sarcoglycan complex. The sarcoglycan complex is part of the dystrophin-associated glycoprotein complex (DGC), which bridges the inner cytoskeleton and the extracellular matrix. SGCZ plays a role in the maintenance of striated muscle membrane stability. SGCZ was also found as a component of the vascular smooth muscle sarcoglycan complex. SGCZ was reduced at the membrane in muscular dystrophy (PMID: 12189167).

## Storage

**Storage:**

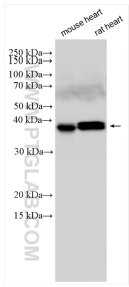
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

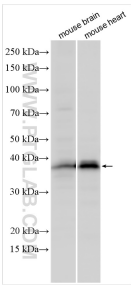
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

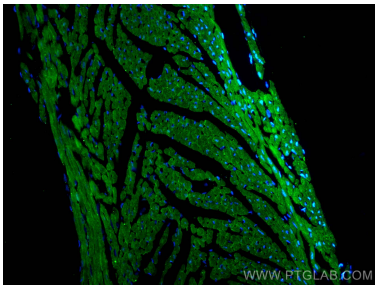
# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21614-1-AP (SGCZ antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 21614-1-AP (SGCZ antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using SGCZ antibody (21614-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).