

For Research Use Only

# SGCZ Polyclonal antibody

Catalog Number: 21614-1-AP



## Basic Information

<b>Catalog Number:</b> 21614-1-AP	<b>GenBank Accession Number:</b> BC125037	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 137868	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> sarcoglycan zeta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 265 aa, 30 kDa	
<b>Immunogen Catalog Number:</b> AG16305	<b>Observed MW:</b> 30-40 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse heart tissue, mouse brain tissue, rat heart tissue <b>IF :</b> 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

\*\*\* 20ul sizes contain 0.1% BSA

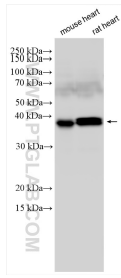
For technical support and original validation data for this product please contact:

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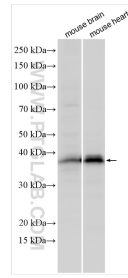
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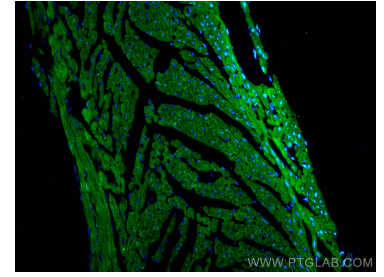
## Selected Validation Data



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).