For Research Use Only

SGCZ Polyclonal antibody

Catalog Number:21614-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
21614-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

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).

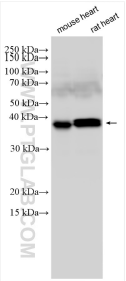
Storage

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

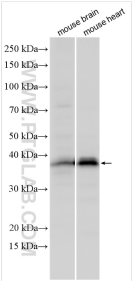
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

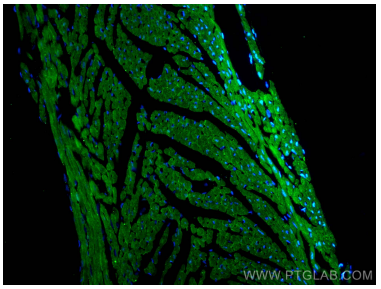
Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L).