

For Research Use Only

SUR2/ABCC9 Polyclonal antibody

Catalog Number: 13599-1-AP



Basic Information

Catalog Number:

13599-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4536

GenBank Accession Number:

BC033804

GeneID (NCBI):

10060

UNIPROT ID:

O60706

Full Name:

ATP-binding cassette, sub-family C (CFTR/MRP), member 9

Calculated MW:

1549 aa, 174 kDa

Observed MW:

174 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: mouse heart tissue, mouse skeletal muscle tissue, unboiled mouse heart tissue

Background Information

ABCC9, also known as SUR2, belongs to the ABC transporter superfamily. ABCC9 is a subunit of ATP-sensitive potassium channels (KATP), forming cardiac and smooth muscle-type KATP channels with KCNJ11. KCNJ11 forms the channel pore while ABCC9 is required for activation and regulation (PMID: 9831708). ABCC9 is thought to form ATP-sensitive potassium channels in cardiac, skeletal, vascular, and non-vascular smooth muscle. Defects in ABCC9 cause dilated cardiomyopathy 10 and familial atrial fibrillation type 12 (ATFB12)(PMID: 15034580,17245405).

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

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

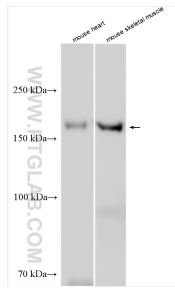
T: 4006900926

E: Proteintech-CN@ptglab.com

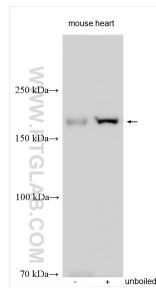
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13599-1-AP (SUR2/ABCC9 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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