

For Research Use Only

TMEM109 Polyclonal antibody

Catalog Number: 31438-1-AP



Basic Information

Catalog Number:

31438-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34866

GenBank Accession Number:

BC001309

GeneID (NCBI):

79073

UNIPROT ID:

Q9BVC6

Full Name:

transmembrane protein 109

Calculated MW:

26 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:20000-1:100000

IHC 1:500-1:2000

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, HeLa cells, U-251 cells, mouse skeletal muscle tissue, rat heart tissue, rat skeletal muscle tissue

IHC : mouse skeletal muscle tissue, mouse pancreas tissue

IF-P : mouse skeletal muscle tissue,

Background Information

TMEM109, also known as mg23 or mitsugumin-23, is a transmembrane protein localized to the sarcoplasmic/endoplasmic reticulum and nuclear membranes. TMEM109 is a ball-shaped cation channel in the sarcoplasmic reticulum (SR).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

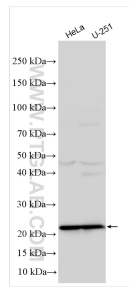
T: 4006900926

E: Proteintech-CN@ptglab.com

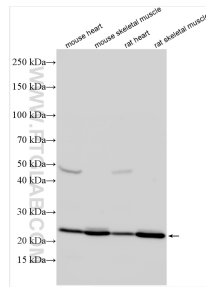
W: ptgcn.com

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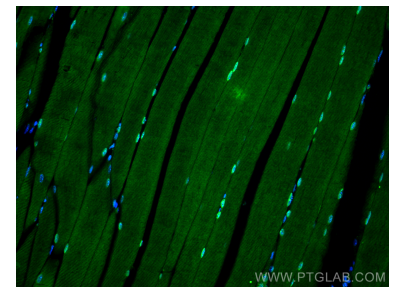
Selected Validation Data



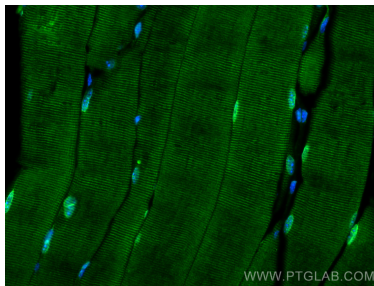
Various lysates were subjected to SDS PAGE followed by western blot with 31438-1-AP (TMEM109 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



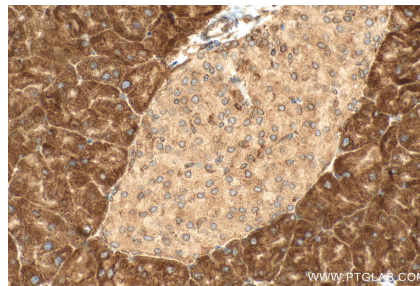
Various lysates were subjected to SDS PAGE followed by western blot with 31438-1-AP (TMEM109 antibody) at dilution of 1:60000 incubated at room temperature for 1.5 hours.



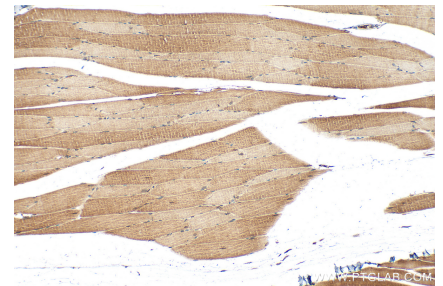
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skeletal muscle tissue using TMEM109 antibody (31438-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



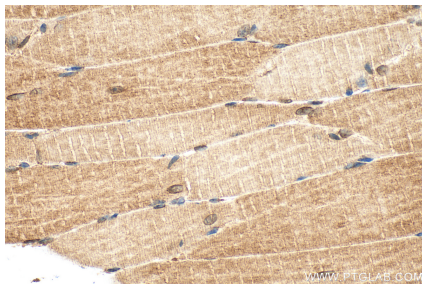
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Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 31438-1-AP (TMEM109 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 31438-1-AP (TMEM109 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 31438-1-AP (TMEM109 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).