

For Research Use Only

SERCA2,ATP2A2 Monoclonal antibody, PBS Only

Catalog Number: 67248-1-PBS



Basic Information

Catalog Number:

67248-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5052

GenBank Accession Number:

BC035588

GeneID (NCBI):

488

UNIPROT ID:

P16615

Full Name:

ATPase, Ca⁺⁺ transporting, cardiac muscle, slow twitch 2

Calculated MW:

1042 aa, 115 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

1F11A11

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

ATP2A2, also known as SERCA2 (Sarco/endoplasmic reticulum-type calcium transport ATPase 2), is a 110 kDa magnesium-dependent enzyme catalyzing the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen. Human SERCA2 gene gives rise to several alternatively spliced isoforms: SERCA2a, SERCA2b and SERCA2c. ATP2A2 is mainly expressed in the sarcoplasmic reticulum of muscle cells and the endoplasmic reticulum of most cell types.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

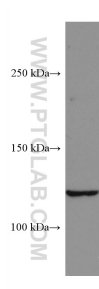
T: 4006900926

E: Proteintech-CN@ptglab.com

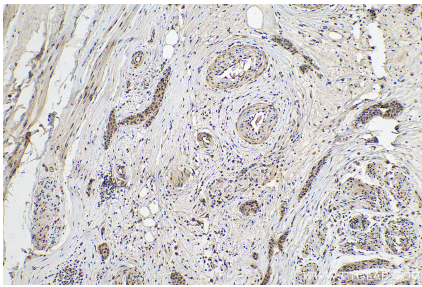
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

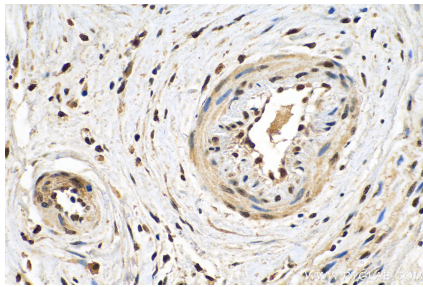
Selected Validation Data



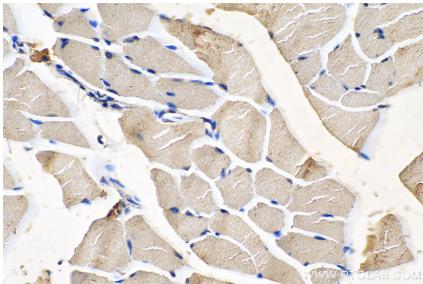
HEK-293 cells were subjected to SDS PAGE followed by western blot with 67248-1-Ig (SERCA2,ATP2A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67248-1-PBS in a different storage buffer formulation.



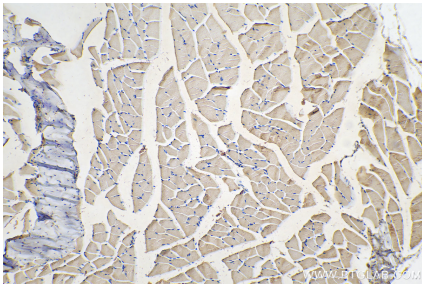
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 67248-1-Ig (SERCA2,ATP2A2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67248-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 67248-1-Ig (SERCA2,ATP2A2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67248-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67248-1-Ig (SERCA2,ATP2A2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67248-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67248-1-Ig (SERCA2,ATP2A2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67248-1-PBS in a different storage buffer formulation.