Product Datasheet

ATP2A2 / SERCA2 Polyclonal Antibody

Catalog No: #27225

Package Size: #27225-1 50ul #27225-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

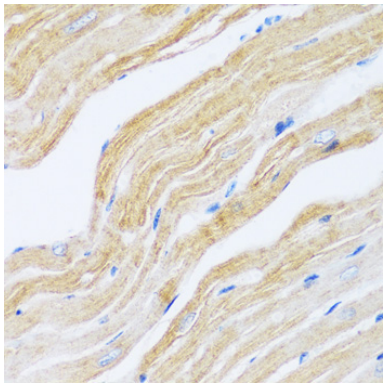
Description

Product Name	ATP2A2 / SERCA2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Mouse,Rat
Immunogen Description	Recombinant fusion protein of human ATP2A2 / SERCA2 (NP_733765.1).
Other Names	ATP2A2; ATP2B; DAR; DD; SERCA2; sarcoplasmic/endoplasmic reticulum calcium ATPase 2
Accession No.	Swiss-Prot#:P16615NCBI Gene ID:488
Uniprot	P16615
GeneID	488;
Calculated MW	127kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.5.
Storage	Store at -20°C

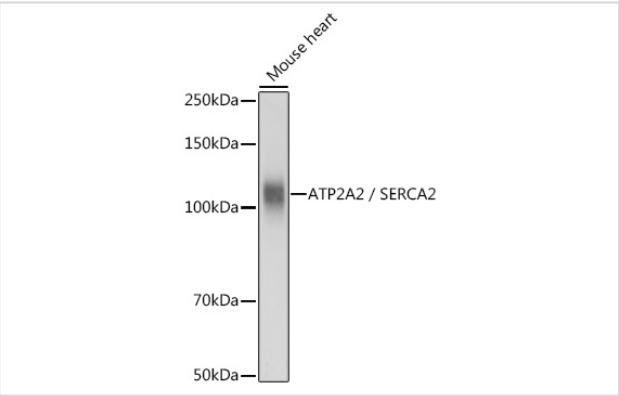
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100

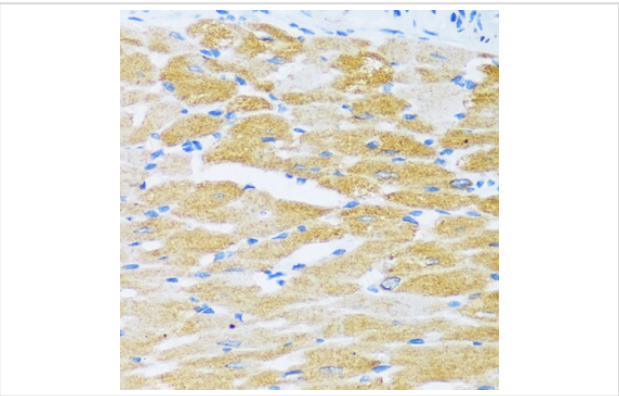
Images



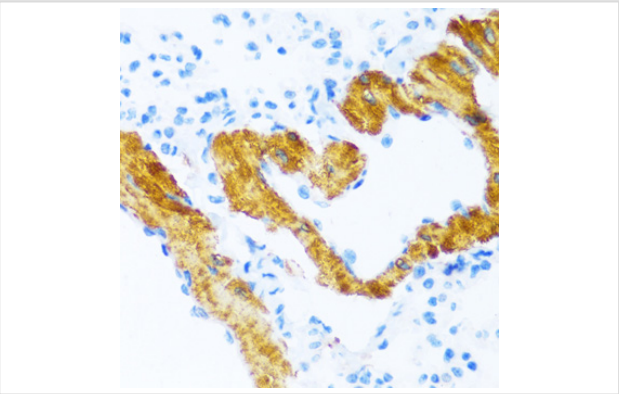
Immunohistochemistry of paraffin-embedded mouse heart using ATP2A2 / SERCA2 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of Mouse heart, using ATP2A2 / SERCA2 at 1:3000 dilution.



Immunohistochemistry of paraffin-embedded rat heart using ATP2A2 / SERCA2 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using ATP2A2 / SERCA2 at dilution of 1:100 (40x lens).

Background

This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol into the sarcoplasmic reticulum lumen, and is involved in regulation of the contraction/relaxation cycle. Mutations in this gene cause Darier-White disease, also known as keratosis follicularis, an autosomal dominant skin disorder characterized by loss of adhesion between epidermal cells and abnormal keratinization. Alternative splicing results in multiple transcript variants encoding different isoforms.

Note: This product is for in vitro research use only