

SERCA2/ATP2A2 Rabbit pAb

Catalog No.: A0098

Basic Information

Catalog No.

A0098

Observed MW

114kDa

Calculated MW

109kDa/111kDa/114kDa

Category

Primary antibody

Applications

WB, IHC

Cross-Reactivity

Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
488	P16615

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 111-253 of human SERCA2/ATP2A2 (NP_733765.1).

Synonyms

ATP2B;DAR;DD;SERCA2;ATP2A2/SERCA2;ATP2A2

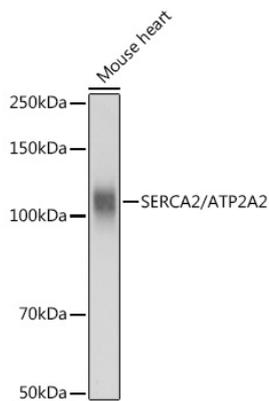
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of Mouse heart, using SERCA2/ATP2A2 antibody (A0098) at 1:3000 dilution.

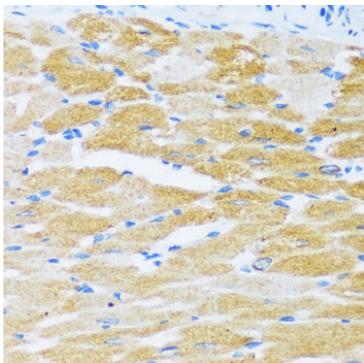
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

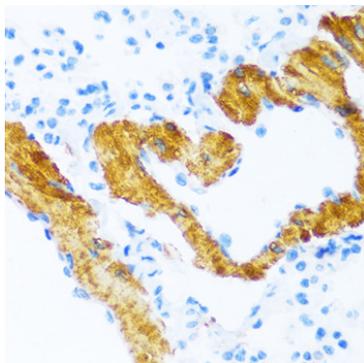
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

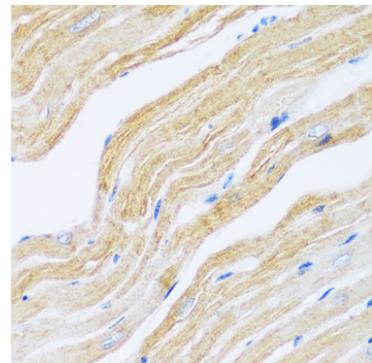
Exposure time: 1s.



Immunohistochemistry of paraffin-embedded rat heart using SERCA2/ATP2A2 antibody (A0098) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using SERCA2/ATP2A2 antibody (A0098) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using SERCA2/ATP2A2 antibody (A0098) at dilution of 1:100 (40x lens).