

Rabbit anti-Mouse, Rat ATP2A2/SERCA2 Polyclonal Antibody | anti-ATP2A2 antibody

ATP2A2(SERCA2) Rabbit pab Antibody

CATALOG # AAA36628	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------	---------------------------------	---

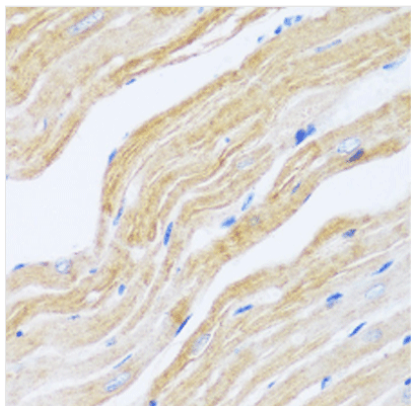
PRODUCT SYNONYMS

ATP2A2/SERCA2; Polyclonal Antibody; ATP2A2(SERCA2) Rabbit pab Antibody; ATP2B;DAR;DD;SERCA2;ATP2A2/SERCA2;ATP2A2; anti-ATP2A2 antibody

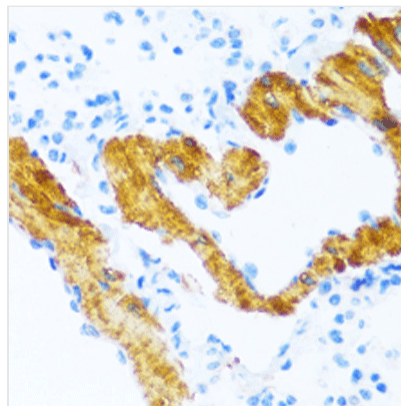
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid; PBS with 0.1% Sodium Azide, 50% Glycerol,
Sequence Length	997
Applicable Applications for anti-ATP2A2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 111-253 of human SERCA2/ATP2A2.
Preparation and Storage	Upon receipt store at -20 degree C. Avoid freeze/thaw cycles.

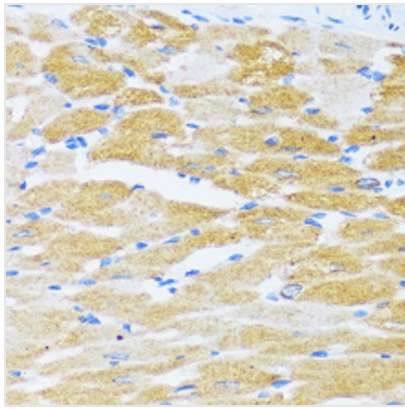
IMAGES



IHC (Immunohistochemistry)
mmunohistochemistry of paraffin-embedded mouse heart using SERCA2/ATP2A2 antibody (AAA36628) at dilution of 1:100 (40x lens).

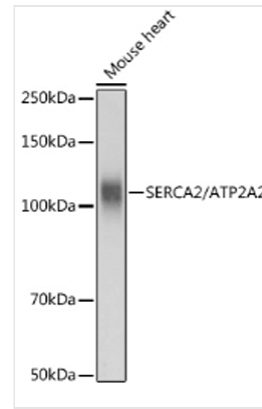


IHC (Immunohistochemistry)
mmunohistochemistry of paraffin-embedded mouse lung using SERCA2/ATP2A2 antibody (AAA36628) at dilution of 1:100 (40x lens).



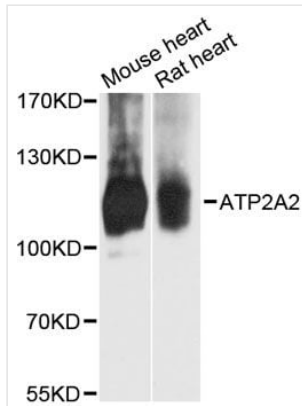
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using SERCA2/ATP2A2 antibody (AAA36628) at dilution of 1:100 (40x lens).



WB (Western Blot)

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) 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.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ATP2A2 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2A2 antibody	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.
References	1. Vangheluwe, P. et al. (2005) Cell Calcium 38, 291-302. 2. de Smedt, H. et al. (1991) J Biol Chem 266, 7092-5. 3. Gélébart, P. et al. (2003) Biochem Biophys Res Commun 303, 676-84. 4. Hawkins, C. et al. (1995) Mol Cell Biochem 142, 131-8. 5. Viner, R.I. et al. (1999) Biochem J 340 (Pt 3), 657-69. 6. Sakuntabhai, A. et al. (1999) Hum Mol Genet 8, 1611-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502285
NCBI GeneID	488
NCBI Accession #	NP_001672.1
NCBI GenBank Nucleotide #	NM_001681.3
UniProt Accession #	P16615; P16614; Q86VJ2; A6NDN7; B4DF05

Molecular Weight	Observed MW: 114kDa Calculated MW: 109kDa/111kDa/114kDa
NCBI Official Full Name	sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform a
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
NCBI Official Symbol	ATP2A2
NCBI Official Synonym Symbols	DD; DAR; ATP2B; SERCA2
NCBI Protein Information	sarcoplasmic/endoplasmic reticulum calcium ATPase 2; calcium pump 2; SR Ca(2+)-ATPase 2; cardiac Ca2+ ATPase; endoplasmic reticulum class 1/2 Ca(2+) ATPase; ATPase, Ca++ dependent, slow-twitch, cardiac muscle-2; calcium-transporting ATPase sarcoplasmic reticulum type, slow twitch skeletal muscle isoform
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
UniProt Gene Name	ATP2A2
UniProt Synonym Gene Names	ATP2B; SERCA2
UniProt Entry Name	AT2A2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp2a2-serca2-antibody-immunohistochemistry-western-blot-elisa/36628>