

Rabbit SERCA2 ATPase Polyclonal Antibody | anti-ATP2A2 antibody

Anti-SERCA2 ATPase antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44932	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

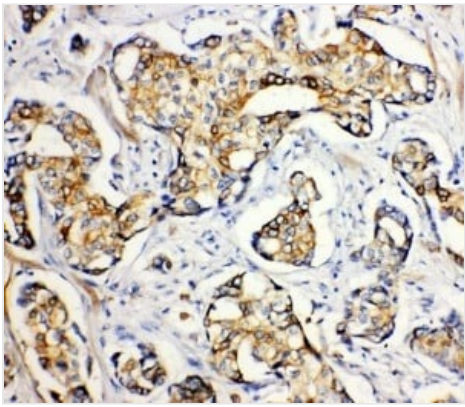
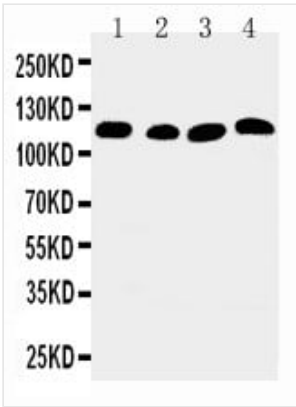
PRODUCT SYNONYMS

SERCA2 ATPase; Polyclonal Antibody; Anti-SERCA2 ATPase antibody; Sarcoplasmic/endoplasmic reticulum calcium ATPase 2(SERCA2/SR Ca(2+)-ATPase 2); ATPase; Ca++ transporting; cardiac muscle; slow twitch 2; AT2A2_HUMAN antibody; ATP2A2 antibody; ATP2B antibody; ATPase Ca++ transporting cardiac muscle slow twitch 2 antibody; Calcium pump 2 antibody; Calcium-transporting ATPase sarcoplasmic reticulum type antibody; Calcium-transporting ATPase sarcoplasmic reticulum type slow twitch skeletal muscle isoform antibody; Cardiac Ca2+ ATPase antibody; DAR antibody; DD antibody; Endoplasmic reticulum class 1/2 Ca(2+) ATPase antibody; MGC45367 antibody; Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 antibody; SERCA 2 antibody; SERCA2 antibody; slow twitch skeletal muscle isoform antibody; SR Ca(2+)-ATPase 2 antibody; anti-ATP2A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1042
Applicable Applications for anti-ATP2A2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SERCA2 ATPase (665-679aa QRDACLNARCFARVE), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-SERCA2 ATPase antibody, AAA44932, Western blottingLane 1: Rat Skeletal Muscle Tissue LysateLane 2: Rat Kidney Tissue LysateLane 3: PANC Cell LysateLane 4: SMMC Cell Lysate

IHC (Immunohistochemistry)
Anti-SERCA2 ATPase antibody, AAA44932, IHC(P)IHC(P): Human Mammary Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2A2 antibody

Description: Rabbit IgG polyclonal antibody for Sarcoplasmic/endoplasmic reticulum calcium ATPase 2(ATP2A2) detection. Tested with WB, IHC-P in Human, Mouse, Rat.

Background: SERCA2(SARCOPLASMIC RETICULUM Ca(2+)-ATPase 2), also called ATP2A2, ATP2B, encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. They are closely related to the plasma membrane Ca(2+)-ATPases, or PMCAs. SERCA2 belongs to the large family of P-type cation pumps that couple ATP hydrolysis with cation transport across membranes. The SERCA2 gene is mapped on 12q24.11. SERCA2 was expressed in all specimens, with pronounced expression in the subnuclear aspect of basal epidermal keratinocytes. There was variable suprabasal expression.SERCA2 expression was also observed in the infundibulum and outer root sheath of hair follicles; germinative and mature cells of sebaceous glands; secretory coil and duct of eccrine glands; apocrine gland cells; and arrector pili muscle. In Darier disease skin, strong SERCA2 positivity was detected in the basal, suprabasal, and acantholytic lesional cells. Perilesional Darier disease skin was comparable to normal skin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114312
NCBI GeneID	488
UniProt Accession #	P16615; P16614; Q86VJ2; A6NDN7; B4DF05
Molecular Weight	109,734 Da
NCBI Official Full Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
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; SR Ca(2+)-ATPase 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/serca2-atpase-antibody-immunohistochemistry-western-blot-elisa/44932>