

Goat ATP2A2/SERCA2 Polyclonal Antibody | anti-ATP2A2/SERCA2 antibody

Anti-ATP2A2/SERCA2 Antibody (aa658-671)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162274	Goat	HumanPredicted: Rabbit, Mouse, Rat, Monkey	Western Blot, Immunohistochemistry, ELISA

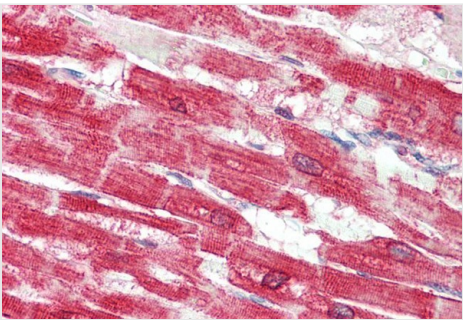
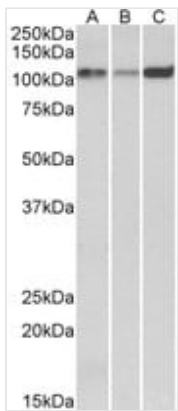
PRODUCT SYNONYMS

ATP2A2/SERCA2; Polyclonal Antibody; Anti-ATP2A2/SERCA2 Antibody (aa658-671); Goat Polyclonal to Human ATP2A2/SERCA2; ATP2A2; ATP2B; Calcium pump 2; DAR; SR Ca(2+)-ATPase 2; Cardiac Ca2+ ATPase; DD; SERCA2; anti-ATP2A2/SERCA2 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human Predicted: Rabbit, Mouse, Rat, Monkey
Clonality	Polyclonal
Specificity	Human ATP2A2/SERCA2. This antibody is expected to recognize both reported isoforms (NP_001672.1; NP_733765.1).
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Sequence Length	997
Applicable Applications for anti-ATP2A2/SERCA2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide DELNPSAQRDACLN from an internal region of human ATP2A2/SERCA2 (NP_001672.1; NP_733765.1). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Ferret, Panda, Rabbit (100%); Mouse, Rat, Horse, Pig, Guinea pig (93%); Bovine, Elephant, Platypus, Lizard, Xenopus (86%).
Conjugation	Unconjugated
Epitope	aa658-671
Preparation and Storage	Store at -20 degree C. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-ATP2A2/SERCA2 antibody IHC staining of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

WB (Western Blot)
ATP2A2 antibody (0.1 ug/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2A2/SERCA2 antibody	ATP2a2 (Ca++ Transporting, Cardiac Muscle, Slow Twitch 2 ATPase), also known as SERCA2 (Sarcoplasmic reticulum Ca(2+)-ATPase 2), belongs to the large family of P-type cation pumps that couple ATP hydrolysis with cation transport across membranes. the ATP2a2 pump maintains low cytosolic Ca(2+) concentrations by actively transporting Ca(2+) from the cytosol into the sarco/endoplasmic reticulum lumen.
Product Categories/Family for anti-ATP2A2/SERCA2 antibody	Transporter; ATPase - P type; type IIA

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	109,734 Da
NCBI Official Full Name	sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform a
NCBI Official Synonym Full Names	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 2
NCBI Official Symbol	ATP2A2
NCBI Official Synonym Symbols	DD; DAR; ATP2B; SERCA2
NCBI Protein Information	sarcoplasmic/endoplasmic reticulum calcium ATPase 2
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
UniProt Gene Name	ATP2A2
UniProt Synonym Gene Names	ATP2B; SERCA2; SR Ca(2+)-ATPase 2

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.