

Rabbit anti-Human SERCA2 Polyclonal Antibody | anti-SERCA2 antibody

Rabbit anti-SERCA2 Antibody, Affinity Purified

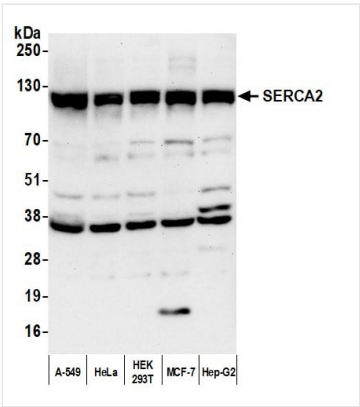
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210933	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

SERCA2; Polyclonal Antibody; Rabbit anti-SERCA2 Antibody; Affinity Purified; cardiac Ca²⁺ ATPase; DAR; SR Ca(2+)-ATPase 2; sarcoplasmic/endoplasmic reticulum calcium ATPase 2; endoplasmic reticulum class 1/2 Ca(2+) ATPase; ATP2B; calcium-transporting ATPase sarcoplasmic reticulum type; slow twitch skeletal muscle isoform; calcium pump 2; ATPase; Ca⁺⁺ dependent; slow-twitch; cardiac muscle-2; ATPase Ca⁺⁺ transporting cardiac muscle slow twitch 2; DD; Sarcoplasmic/endoplasmic reticulum calcium ATPase 2; ATPase sarcoplasmic/endoplasmic reticulum Ca²⁺ transporting 2; anti-SERCA2 antibody

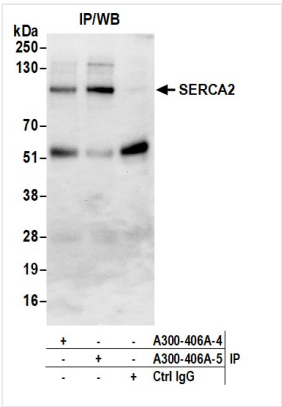
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SERCA2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Chicken, Dog, Rabbit, Pig, Cat
Immunogen	Between 475 and 525
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human SERCA2 by western blot. Samples: Whole cell lysate (50 ug) from A-549, HeLa, HEK293T, MCF-7, and Hep-G2 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SERCA2 antibody (AAA210933 lot 5) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)

Detection of human SERCA2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SERCA2 antibody (AAA210933 lot 5) used for IP at 6 ug per reaction. SERCA2 was also immunoprecipitated by a previous lot of this antibody (AAA210933 lot 4). For blotting immunoprecipitated SERCA2, AAA210933 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-SERCA2 antibody	Sarcoplasmic/endoplasmic reticulum Calcium-ATPase 2 (SERCA2) is a magnesium-dependent pump that catalyzes the hydrolysis of ATP and translocates calcium from the cytosol to the sarcoplasmic reticulum lumen. There are 2 SERCA2 isoforms that differ in the 3' UTR. The SERCA2A isoform is highly expressed in heart and slow twitch skeletal muscle and is important to the regulation of the contraction and relaxation cycle, while the SERCA2B isoform is expressed in smooth muscle and adult epidermis.
Product Categories/Family for anti-SERCA2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24638454
NCBI GeneID	488
NCBI Accession #	NP_733765.1
NCBI GenBank Nucleotide #	NM_170665.3
UniProt Accession #	P16615; P16614; Q86VJ2; A6NDN7; B4DF05
Molecular Weight	114,757 Da
NCBI Official Full Name	sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform b
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; FLJ20293; FLJ38063; MGC45367; DKFZp686P0211
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 re
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
UniProt Gene Name	ATP2A2
UniProt Synonym Gene Names	ATP2B; SERCA2

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-antibody-immunoprecipitation-western-blot-elisa/210933>