

## Rabbit anti-Human, mouse ATP2A2 Polyclonal Antibody | anti-ATP2A2 antibody

ATP2A2 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA229540 | Rabbit | Human, mouse | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

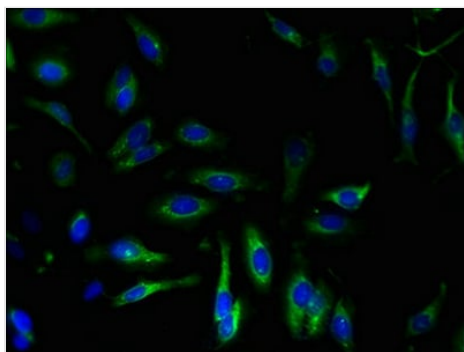
### PRODUCT SYNONYMS

ATP2A2; Polyclonal Antibody; ATP2A2 Antibody; Sarcoplasmic/endoplasmic reticulum calcium ATPase 2; SERCA2; SR Ca(2+)-ATPase 2; Calcium pump 2; Calcium-transporting ATPase sarcoplasmic reticulum type; slow twitch skeletal muscle isoform; Endoplasmic reticulum class 1/2 Ca(2+) ATPase; ATP2B; anti-ATP2A2 antibody

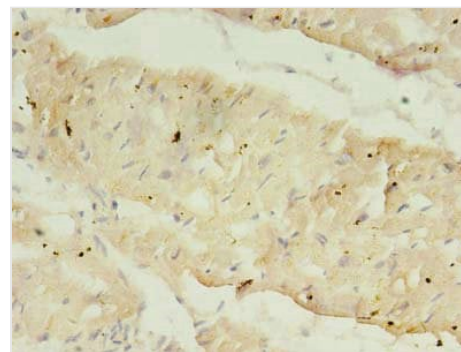
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                   |
| Reactivity                                       | Human, mouse                                                                             |
| Clonality                                        | Polyclonal                                                                               |
| Isotype                                          | IgG                                                                                      |
| Purity/Purification                              | Caprylic Acid Ammonium Sulfate Precipitation purified                                    |
| Form/Format                                      | Liquid                                                                                   |
| Sequence Length                                  | 997                                                                                      |
| Applicable Applications for anti-ATP2A2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA            |
| Immunogen                                        | Recombinant human Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 protein            |
| Conjugation                                      | Non-conjugated                                                                           |
| Storage Buffer                                   | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4           |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8095 / sc-8094   |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C. |

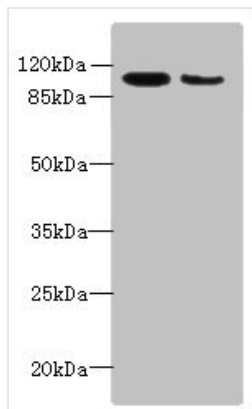
### IMAGES


**IHC (Immunohistochemistry)**

Immunofluorescent analysis of HeLa cells using AAA229540 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human heart using AAA229540 at dilution of 1:100



#### WB (Western Blot)

Western blotAll lanes: ATP2A2 antibody at 6ug/mlLane 1: Mouse heart tissueLane 2: Mouse Skeletal muscle tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 115,110,112 kDaObserved band size: 115 kDa

## ADDITIONAL INFORMATION

### Related Product Information for anti-ATP2A2 antibody

This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen. Isoform 2 is involved in the regulation of the contraction/relaxation cycle.

## 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 Ca <sup>2+</sup> 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                | <b>ATP2A2</b>                                                             |
| 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/atp2a2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229540>