

## **Product datasheet for TA356176**

# **ATP2A1 Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type: Primary Antibodies** 

WB **Applications:** 

Reactivity: Human Rabbit Host:

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human ATP2A1

Specificity: **Expected reactivity**: Human

Homology: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse:

100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

**Purification:** Affinity purified Conjugation: Unconjugated

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small Storage:

aliquots to prevent freeze-thaw cycles.

Shelf life: one year from despatch. Stability:

**Predicted Protein Size:** 110 kDa

Gene Name: ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 1

Database Link: NP 001273004.1

Entrez Gene 487 Human

O14983



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#### ATP2A1 Rabbit Polyclonal Antibody - TA356176

**Background:** 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 to the sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction.

Mutations in this gene cause some autosomal recessive forms of Brody disease,

characterized by increasing impairment of muscular relaxation during exercise. Alternative

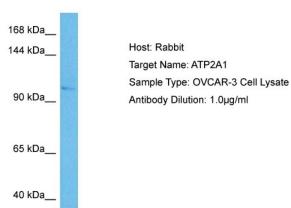
splicing results in three transcript variants encoding different isoforms.

Synonyms: ATP2A; SERCA1

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Alzheimer's disease, Calcium signaling pathway

### **Product images:**



Host: Rabbit Target Name: ATP2A1

Sample Tissue: Human OVCAR-3 Whole Cell

lysates

Antibody Dilution: 2ug/ml