# antibodies -online.com





## anti-ATP2A1/SERCA1 antibody (N-Term)



**Images** 



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100 μg			
ATP2A1/SERCA1 (ATP2A1)			
N-Term			
Human, Rat, Mouse			
Rabbit			
Polyclonal			
This ATP2A1/SERCA1 antibody is un-conjugated			
Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))			
An amino acid sequence from the N-terminus of human ATP2A1			
(MEAAHAKTTEECLAYFGVSETTGLTPDQVKRN) was used as the immunogen for this ATP2A1			
antibody.			
IgG			
Antigen affinity			
ATP2A1/SERCA1 (ATP2A1)			
ATP2A1 (ATP2A1 Products)			
SERCA1, also called ATP2A1, is an enzyme that in humans is encoded by the ATP2A1 gene.			
This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in			

the sarcoplasmic or endoplasmic reticula of muscle cells. The SERCA1 gene is mapped to 16p11.2. 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. It has been determined that the human SERCA1 gene is 26 kb long and contains 23 exons, of which can be alternatively spliced. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise.

Gene ID:

487

Pathways:

Ribonucleoside Biosynthetic Process

#### **Application Details**

**Application Notes:** 

The stated application concentrations are suggested starting amounts. Titration of the ATP2A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions:

For Research Use only

#### Handling

Buffer:

0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage:

-20 °C

Storage Comment:

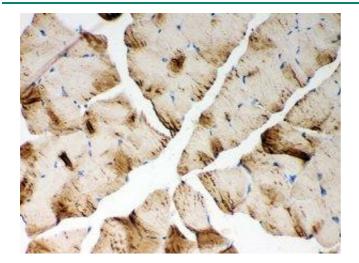
After reconstitution, the ATP2A1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

### **Images**



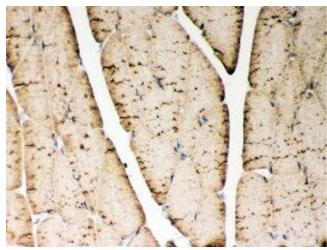
#### **Western Blotting**

Image 1. Western blot testing of ATP2A1 antibody and Lane1: rat skeletal muscle



#### **Immunohistochemistry**

**Image 2.** IHC-P: ATP2A1 antibody testing of mouse skeletal muscle tissue



#### **Immunohistochemistry**

**Image 3.** IHC-P: ATP2A1 antibody testing of rat skeletal muscle tissue

Please check the product details page for more images. Overall 5 images are available for ABIN3030066.