Datasheet for ABIN5611123

anti-ATP2A1/SERCA1 antibody (AA 487-631)

4 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	ATP2A1/SERCA1 (ATP2A1)
Binding Specificity:	AA 487-631
Reactivity:	Human, Mouse, Monkey
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human ATP2A1 (AA: 487-631) expressed in E. coli.
Clone:	4F11F6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ATP2A1/SERCA1 (ATP2A1)
Alternative Name:	ATP2A1 (ATP2A1 Products)
Background:	Description: 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

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Target Details

	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. Aliases: ATP2A, SERCA1
Molecular Weight:	110 kDa
Gene ID:	487
HGNC:	487
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

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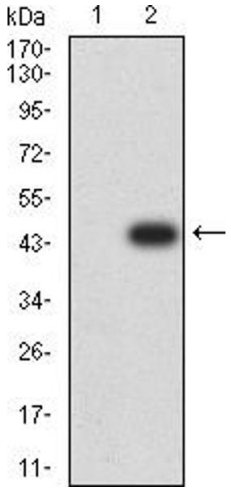
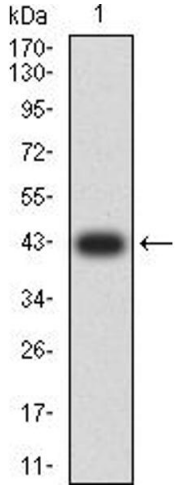


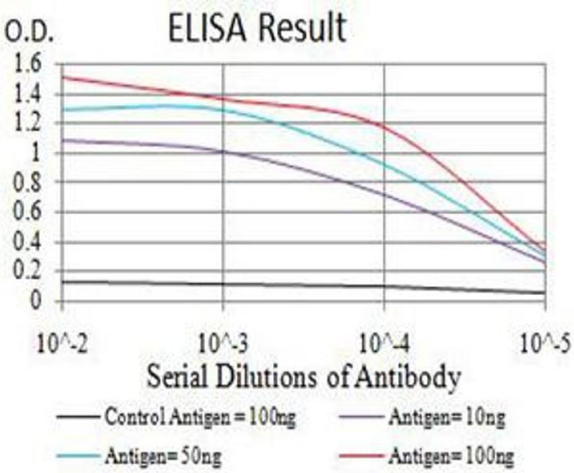
Western Blotting

Image 1. Western blot analysis using ATP2A1 mAb against HEK293 (1) and ATP2A1 (AA: 487-631)-hIgGFc transfected HEK293 (2) cell lysate.



Western Blotting

Image 2. Western blot analysis using ATP2A1 mAb against human ATP2A1 (AA: 487-631) recombinant protein. (Expected MW is 42 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Please check the product details page for more images. Overall 4 images are available for ABIN5611123.

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