.-online.com antibodies

Datasheet for ABIN1881089 anti-ATP2A1/SERCA1 antibody (C-Term)

3 Images

3 Publications



Overview

Quantity:	400 µL
Target:	ATP2A1/SERCA1 (ATP2A1)
Binding Specificity:	AA 974-1001, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP2A1/SERCA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This ATP2A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 974-1001 amino acids from the C-terminal region of human ATP2A1.
Clone:	RB25882
lsotype:	Ig Fraction
Predicted Reactivity:	Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

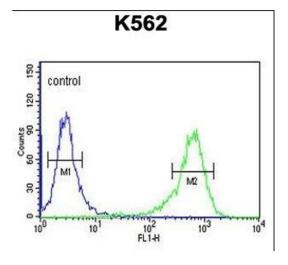
Target:

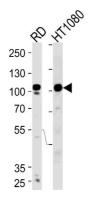
ATP2A1/SERCA1 (ATP2A1)

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN1881089 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	ATP2A1 (ATP2A1 Products)
Background:	ATP2A1 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.
Molecular Weight:	110252
NCBI Accession:	NP_004311, NP_775293
UniProt:	014983
Pathways:	Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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
Expiry Date:	6 months
Expiry Date: Publications	6 months

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN1881089 | 09/11/2023 | Copyright antibodies-online. All rights reserved.





Flow Cytometry

Image 1. ATP2A1 Antibody (C-term) (ABIN1881089 and ABIN2840069) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of lysates from RD,H cell line (from left to right),using ATP2A1 Antibody (C-term) (ABIN1881089 and ABIN2840069). (ABIN1881089 and ABIN2840069) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35 µg per lane.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. ATP2A1 Antibody (C-term) (ABIN1881089 and ABIN2840069) IHC analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP2A1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.