antibodies - online.com







anti-ATP2A2 antibody (Internal Region)

Images



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Overview	
Quantity:	100 μg
Target:	ATP2A2
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ATP2A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Purpose:	SERCA2 / ATP2A2

Purpose:	SERCA2 / ATP2A2
Sequence:	DELNPSAQRD ACLN
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_001672.1, NP_733765.1).
Cross-Reactivity:	Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

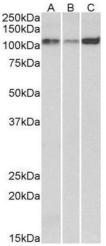
raiget Details		
Target:	ATP2A2	
Alternative Name:	ATP2A2 (ATP2A2 Products)	
Background:	ATP2A2, ATPase, Ca++ transporting, cardiac muscle, slow twitch 2, ATP2B, DAR, DD, DKFZp686P0211, FLJ20293, FLJ38063, MGC45367, SERCA2, ATPase, Ca++ dependent, slow-twitch, cardiac muscle-2, SR Ca(2+)-ATPase 2, calcium pump 2, calcium-transporting ATPase 3	
Molecular Weight:	110 kDa	
Gene ID:	488, 11938, 29693	
NCBI Accession:	NP_001672, NP_733765	
Pathways:	Myometrial Relaxation and Contraction, ER-Nucleus Signaling, Ribonucleoside Biosynthetic Process	
Application Details		
Application Notes:	Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 5 µ g/mL. Western Blot: Approx 110 kDa band observed in Human, Mouse and Rat Heart lysates (calculated MW of 110 kDa according to NP_001672.1). Recommended concentration: 0.1-0.3 µg/mL. Primary incubation was 1 hour. Peptide ELISA: antibody detection limit dilution 1:128000.	
Comment:	Immunofluorescence: Strong expression of the protein seen in the endoplasmic reticulum of HeLa cells. Recommended concentration: 10µg/ml.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.5 mg/mL	
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

Handling

Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated
	at 4°C for a few weeks and still remain viable.

Images



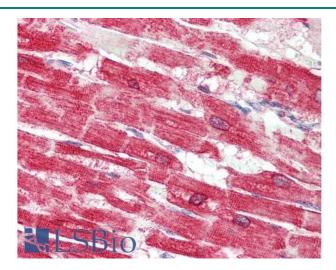


Immunofluorescence

Image 1. (ABIN1686784) mmunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 μ g/mL) followed by Alexa Fluor 488 secondary antibody (2 μ g/mL), showing endoplasmic reticulum staining. The nuclear stain i

Western Blotting

Image 2. ABIN1686784 (0.1µg/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN1686784 (5 μ g/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.