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anti-Phospholamban antibody (N-Term)



Image



Publications



Go to Product page

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Alternative Name:

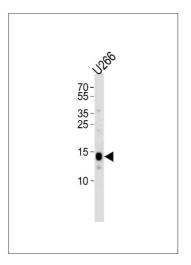
Quantity:	400 μL
Target:	Phospholamban (PLN)
Binding Specificity:	AA 1-22, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholamban antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This PLN antibody is generated from a rabbit immunized with a KLH conjugated synthetic
	peptide between 1-22 amino acids from the N-terminal region of human PLN.
Clone:	RB44799
Isotype:	lg Fraction
Predicted Reactivity:	B, M, Pig, Rb, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	Phospholamban (PLN)

PLN (PLN Products)

Target Details

l arget Details			
Background:	Reversibly inhibits the activity of ATP2A2 in cardiac sarcoplasmic reticulum by decreasing the apparent affinity of the ATPase for Ca(2+). Modulates the contractility of the heart muscle in response to physiological stimuli via its effects on ATP2A2 Modulates calcium re-uptake during muscle relaxation and plays an important role in calcium homeostasis in the heart muscle. The degree of ATP2A2 inhibition depends on the oligomeric state of PLN. ATP2A2 inhibition is alleviated by PLN phosphorylation.		
Molecular Weight:	6109		
UniProt:	P26678		
Pathways:	Negative Regulation of Transporter Activity		
Application Details			
Application Notes:	WB: 1:1000		
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		
Publications			
Product cited in:	Mishra, Chandravanshi, Trigun, Krishnamurthy: "Ambroxol modulates 6-Hydroxydopamine-		
	induced temporal reduction in Glucocerebrosidase (GCase) enzymatic activity and Parkinson's		

disease symptoms." in: Biochemical pharmacology, Vol. 155, pp. 479-493, (2019) (PubMed).



Western Blotting

Image 1. Western blot analysis of lysate from cell line,using PLN Antibody (N-term) (ABIN1882182 and ABIN2838489). (ABIN1882182 and ABIN2838489) was diluted at 1:1000 at each lane. A goat anti-rabbit lgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35 μg per lane.