antibodies - online.com







anti-Phospholamban antibody (AA 1-35)



Image



Overview

Quantity:	100 μL
Target:	Phospholamban (PLN)
Binding Specificity:	AA 1-35
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholamban antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffinembedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human phospholamban
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	Phospholamban (PLN)
Alternative Name:	phospholamban (PLN Products)

Target Details

Storage Comment:

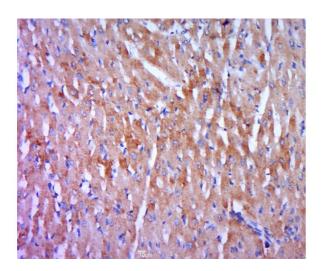
rarget Details	
Background:	Synonyms: Cardiac phospholamban, CMD1P, PLB, PLN, PPLA_HUMAN.
	Background: The Sarco(endo)plasmic-reticulum (SER) regulatory protein, Phospholamban
	(PLB), is a small, plasma membrane-associated protein found in the SER of cardiac, smooth
	and slow-twitch muscle. Believed to assemble into a pentamer, PLB regulates cardiac
	contractility and Ca2+ affinity for cardiac SER Ca2+ ATPase (SERCA2a). Non-phosphorylated
	PLB associates with SERCA2a, and inhibits Ca2+ reuptake into the SER. PLB activation occurs
	when key Serine/Threonine residues in PLB (Ser-10, Ser-16, Thr-17) are phosphorylated by
	numerous effectors, which include PKC, PKA, PKG, and CaM kinase. Phosphorylation of PLB
	causes dissociation from SERCA2a and a subsequent increase in the rate of Ca2+ reuptake into
	the SER, which accelerates ventricular relaxation.
Gene ID:	5350
Pathways:	Negative Regulation of Transporter Activity
Application Details	
Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	4 °C,-20 °C

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date:

12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat heart tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with phospholamban Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.