

Datasheet for ABIN954126

anti-Phospholamban antibody (Thr17)**3** Images[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	Phospholamban (PLN)
Binding Specificity:	Thr17
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholamban antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the Thr17 region of Human Phospholamban Genename: PLN
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Phospholamban (Thr17).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

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

Target Details

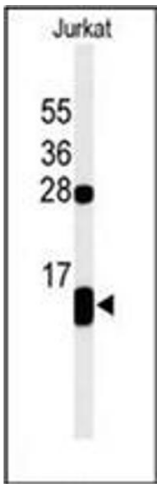
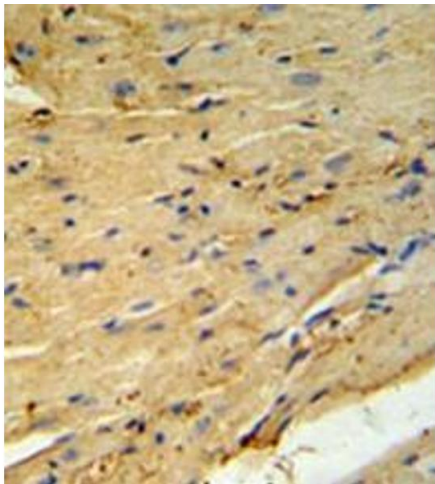
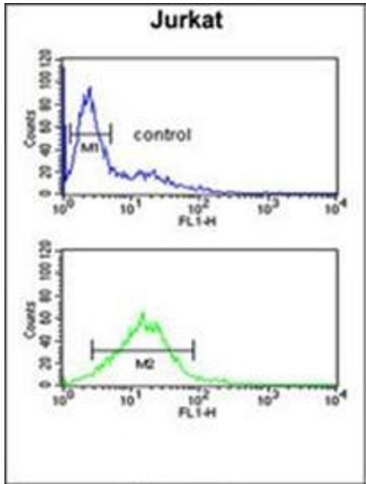
Background:	PLB is a 52 amino acid phosphoprotein which regulates the calcium pump of cardiac sarcoplasmic reticulum (SR). PLB is an oligomer of five identical subunits each having a cytoplasmic and transmembrane domain. The cytoplasmic domain (residues 1 to 25) contains the phosphorylation sites and is highly basic and readily cleaved by proteases, whereas the transmembrane domain (residues 25 to 52) is mostly hydrophobic, protease resistant and stabilizes the pentamer.Synonyms: Cardiac phospholamban, PLB, PLN
Molecular Weight:	6109 Da
Gene ID:	5350
NCBI Accession:	NP_002658
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of Jurkat cells using PLB-Thr17 Cat.-No AP53332PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue using PLB-Thr17 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PLB-T17 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of PLB-Thr17 in Jurkat cell line lysates (35ug/lane). PLB (arrow) was detected using the purified Pab.