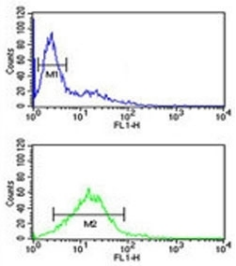
Phospholamban Antibody (F51974)

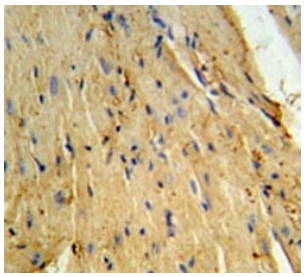
Catalog No.	Formulation	Size
F51974-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51974-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

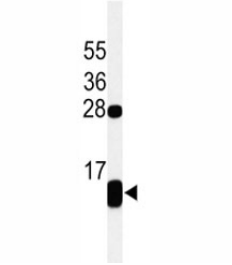
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P26678
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50
Limitations	This Phospholamban antibody is available for research use only.



Phospholamban antibody flow cytometric analysis of Jurkat cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Phospholamban antibody IHC analysis in formalin fixed and paraffin embedded mouse heart tissue.



Western blot analysis of PLB / Phospholamban antibody and Jurkat lysate. Predicted molecular weight: 6/12/18/24kDa (monomer/dimer/oligomers).

Description

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.

Application Notes

Titration of the Phospholamban antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the Phospholamban antibody.

Storage

Aliquot the Phospholamban antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.