
Product Name: Phospho-Phospholamban (Ser16) Rabbit Monoclonal Antibody**Catalog #: AMRe84873**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	Calculated MW: 6 kDa; Observed MW: 12,24 kDa

Antigen Information

Gene Name	Phospho-Phospholamban (Ser16)
Alternative Names	PLN; PLB; Cardiac phospholamban; PLB
Gene ID	5350.0
SwissProt ID	P26678
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser16 of human Phospholamban

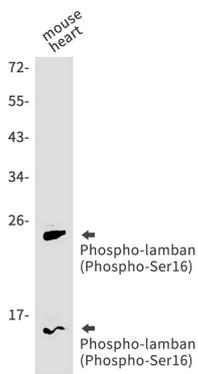
Background

Reversibly inhibits the activity of ATP2A2 in cardiac sarcoplasmic reticulum by decreasing the apparent affinity of the ATPase for Ca²⁺. 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.

Research Area

Image Data



Western blot analysis of Phospho-lamban (Phospho-Ser16) in mouse heart lysates using Phospho-Phospho-lamban (Ser16) antibody.