

Phospholamban Rabbit mAb
Catalog # AP75907**Specification****Phospholamban Rabbit mAb - Product Information**

Application	WB
Primary Accession	P26678
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	6109

Phospholamban Rabbit mAb - Additional Information

Gene ID 5350

Other Names
PLN**Dilution**
WB~~1/500-1/1000**Format**
Liquid**Phospholamban Rabbit mAb - Protein Information****Name** PLN ([HGNC:9080](#))**Synonyms** PLB**Function**

Reversibly inhibits the activity of ATP2A2 in cardiac sarcoplasmic reticulum by decreasing the apparent affinity of the ATPase for Ca(2+) (PubMed:[28890335](http://www.uniprot.org/citations/28890335)). 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. Controls intracellular Ca(2+) levels in elongated spermatids. May play a role in germ cell differentiation (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Sarcoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane {ECO:0000250|UniProtKB:A4IFH6}; Single-pass membrane protein. Membrane {ECO:0000250|UniProtKB:P61014}; Single-pass membrane protein. Note=Colocalizes with HAX1 at the endoplasmic reticulum (PubMed:17241641). Colocalizes with DMPK at the sarcoplasmic reticulum (PubMed:15598648).

Tissue Location

Heart muscle (at protein level).

Phospholamban Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospholamban Rabbit mAb - Images

