

DNAXPAb

Hard-to-Find
Antibody

PLN DNAXPab

Catalog # H00005350-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PLN DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MEKVQYL TRSAIRRASTIEMPQQARQKLQNLFINFCLILICLLLICIVMLL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PLN

Entrez GeneID [5350](#)

GeneBank Accession# [BC005269.1](#)

Protein Accession# [AAH05269.1](#)

Gene Name PLN

Gene Alias CMD1P, PLB

Gene Description phospholamban

Omim ID [172405 609909](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is found as a pentamer and is a major substrate for the cAMP-dependent protein kinase in cardiac muscle. The encoded protein is an inhibitor of cardiac muscle sarcoplasmic reticulum Ca(2+)-ATPase in the unphosphorylated state, but inhibition is relieved upon phosphorylation of the protein. The subsequent activation of the Ca(2+) pump leads to enhanced muscle relaxation rates, thereby contributing to the inotropic response elicited in heart by beta-agonists. The encoded protein is a key regulator of cardiac diastolic function. Mutations in this gene are a cause of inherited human dilated cardiomyopathy with refractory congestive heart failure. [provided by RefSeq]

Other Designations OTTHUMP00000017092|cardiac phospholamban

Pathway

- [Calcium signaling pathway](#)

Disease

- [Arrhythmias](#)
- [Asthma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Death](#)

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Long QT syndrome](#)
- [Ventricular Dysfunction](#)