

Datasheet for ABIN2794308

**anti-Phospholamban antibody (pThr17)**[Go to Product page](#)

## Overview

|                      |                                              |
|----------------------|----------------------------------------------|
| Quantity:            | 200 µL                                       |
| Target:              | Phospholamban (PLN)                          |
| Binding Specificity: | pThr17                                       |
| Reactivity:          | Human                                        |
| Host:                | Rabbit                                       |
| Clonality:           | Polyclonal                                   |
| Conjugate:           | This Phospholamban antibody is un-conjugated |
| Application:         | Dot Blot (DB)                                |

## Product Details

|            |                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:   | Rabbit Anti-Human Phospho-PLB(T17) Antibody                                                                                                                             |
| Immunogen: | This PLB Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T17 of human PLB. |
| Isotype:   | Ig Fraction                                                                                                                                                             |

## Target Details

|                   |                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Phospholamban (PLN)                                                                                                                                                                                                                                                         |
| Alternative Name: | PLB ( <a href="#">PLN Products</a> )                                                                                                                                                                                                                                        |
| Background:       | Target Description: Phospholamban (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 |

## Target Details

(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.

Gene Symbol: PLN

Molecular Weight: 6109 Da

Gene ID: 5350

UniProt: [P26678](#)

Pathways: [Negative Regulation of Transporter Activity](#)

## Application Details

Application Notes: Dot Blot

Recommended Dilutions

DB: 1:500

Dot blot analysis of anti-Phospho-PLB-T17 Phospho-specific Pab on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C,-20 °C

Storage Comment: 2-8°C (short-term), -20°C (long-term)