

Rabbit Phospho-PLN-S16 Polyclonal Antibody | anti-PLN-S16 antibody

Phospho-PLN-S16 Rabbit pAb

CATALOG # AAA282119	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

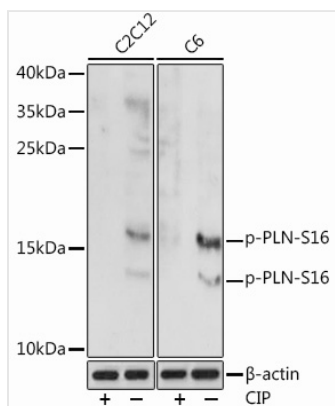
PRODUCT SYNONYMS

Phospho-PLN-S16; Polyclonal Antibody; Phospho-PLN-S16 Rabbit pAb; CMD1P; CMH18; PLB; PLN; anti-PLN-S16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Applicable Applications for anti-PLN-S16 antibody	WB (Western Blot)
Immunogen	A synthetic phosphorylated peptide around S16 of human PLN (NP_002658.1).
Category	Primary antibody
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Phospho-PLN-S16 antibody at 1:1000 dilution. C2C12 cells were treated by CIP(20uL/400ul) at 37 degree C for 1 hour. C6 cells were treated by CIP(20uL/400ul) at 37 degree C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-PLN-S16 antibody	Background: 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, and also familial hypertrophic cardiomyopathy.
Product Categories/Family for anti-PLN-S16 antibody	Neuroscience; Calcium Signaling; Research; Cardiovascular; Heart; Contractility; Phosphorylated Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505887
NCBI GeneID	5350
NCBI Accession #	NP_002658.1
NCBI GenBank Nucleotide #	NM_002667.3
UniProt Accession #	P26678
Molecular Weight	Observed MW: 12KkDa/17kDa Calculated MW: 6kDa
NCBI Official Full Name	cardiac phospholamban
NCBI Official Synonym Full Names	phospholamban
NCBI Official Symbol	PLN
NCBI Official Synonym Symbols	PLB; CMD1P; CMH18
NCBI Protein Information	cardiac phospholamban
UniProt Protein Name	Cardiac phospholamban
UniProt Gene Name	PLN
UniProt Synonym Gene Names	PLB; PLB
UniProt Entry Name	PPLA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/phosho-pln-s16-antibody-western-blot-elisa/282119>