

Rabbit PLN Polyclonal Antibody | anti-PLN antibody

Purified Rabbit Polyclonal Antibody (Pab)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286190	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rabbit, Rat)	ELISA, Western Blot

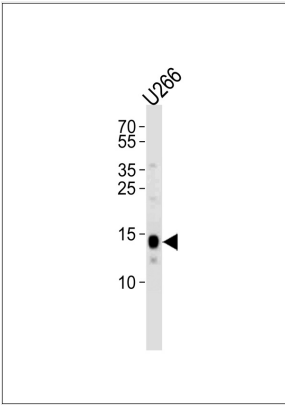
PRODUCT SYNONYMS

PLN; Polyclonal Antibody; Purified Rabbit Polyclonal Antibody (Pab); Cardiac phospholamban; PLB; anti-PLN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PLN antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-22 amino acids from the N-terminal region of human PLN.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Length	52
Applicable Applications for anti-PLN antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Cellular Location	Sarcoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane; Single- pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein
Tissue Location	Heart muscle (at protein level).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysate from U266 cell line,using PLN Antibody (N-term). AAA286190 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-PLN antibody	Reversibly inhibits the activity of ATP2A2 in cardiac sarcoplasmic reticulum by decreasing the apparent affinity of the ATPase for Ca(2+). 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.
Product Categories/Family for anti-PLN antibody	Crown Antibodies; Cardiovascular; Metabolism; Signal Transduction
References	Fujii J.,et al.J. Biol. Chem. 266:11669-11675(1991). Salvatore C.A.,et al.Submitted (MAR-1991) to the EMBL/GenBank/DDBJ databases. McTiernan C.F.,et al.J. Mol. Cell. Cardiol. 31:679-692(1999). Minamisawa S.,et al.Biochem. Biophys. Res. Commun. 304:1-4(2003). Kaliman P.,et al.J. Biol. Chem. 280:8016-8021(2005).

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	6109
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pln-antibody-western-blot-elisa/286190>