


Anti-Phospholamban (phospho S16) antibody ab15000

★★★★★ [11 Abreviews](#) [33 References](#) [1 图像](#)

概述

产品名称	Anti-Phospholamban (phospho S16)抗体
描述	兔多克隆抗体to Phospholamban (phospho S16)
宿主	Rabbit
特异性	Multiple bands can be observed in addition to the 25kD pentamer for PLB. Monomeric, dimeric, trimeric forms, etc. can be observed if the preparations are boiled before SDS-PAGE. This antibody also can display non-specific bands at 75 and 100kD in some lysate preparations. Note: Do not boil cardiac preparation. Boiling may reduce the 25kD pentamer in to tri-, di- or monomers. In addition, phosphorylation may disrupt the pentamer into dimers and monomers.
经测试应用	适用于: IHC-Fr, IHC-P, WB
种属反应性	与反应: Mouse, Rat, Rabbit, Hamster, Cow, Human, Pig, Chinese hamster 预测可用于: Dog 
免疫原	Synthetic peptide corresponding to Human Phospholamban aa 1-100 (phospho S16) conjugated to keyhole limpet haemocyanin. Run BLAST with Expasy Run BLAST with NCBI
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.368% Tris glycine, 30% Glycerol, 0.87% Sodium chloride
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab15000于以下的经测试应用

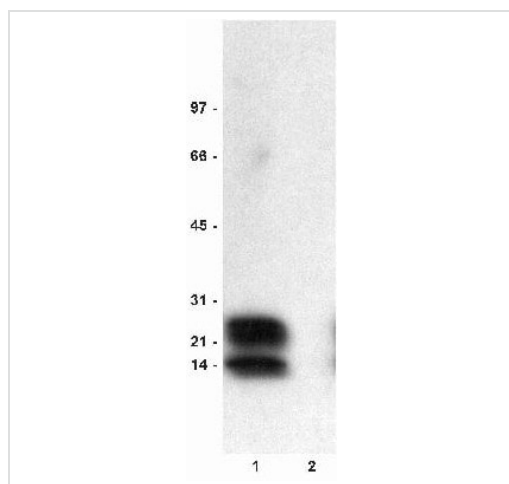
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (8)	Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 6.24 kDa.

靶标

功能	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.
组织特异性	Heart muscle (at protein level).
疾病相关	Cardiomyopathy, dilated 1P Cardiomyopathy, familial hypertrophic 18
序列相似性	Belongs to the phospholamban family.
翻译后修饰	Phosphorylation by PKA abolishes the inhibition of ATP2A2-mediated calcium uptake. Phosphorylated at Thr-17 by CaMK2, and in response to beta-adrenergic stimulation. Phosphorylation by DMPK may stimulate sarcoplasmic reticulum calcium uptake in cardiomyocytes.
细胞定位	Endoplasmic reticulum membrane. Sarcoplasmic reticulum membrane. Mitochondrion membrane. Membrane. Colocalizes with HAX1 at the endoplasmic reticulum (PubMed:17241641). Colocalizes with DMPK a the sarcoplasmic reticulum (PubMed:15598648).

图片



Western blot - Anti-Phospholamban (phospho S16) antibody (ab15000)

All lanes : Anti-Phospholamban (phospho S16) antibody (ab15000) at 0.5 µg/ml

Lane 1 : Bovine cardiac preparation treated with PKA

Lane 2 : Untreated bovine cardiac preparation

Predicted band size: 6.24 kDa

Additional bands at: 14 kDa (possible multimer), 23 kDa (possible multimer)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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