

Anti-MYBPC3 antibody [EPR3008(2)] ab108522

重组 RabMAb

3 图像

概述

产品名称	Anti-MYBPC3抗体[EPR3008(2)]
描述	兔单克隆抗体[EPR3008(2)] to MYBPC3
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt, ICC/IF or IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human heart tissue lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆

克隆编号 EPR3008(2)
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab108522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
WB		1/1000 - 1/10000. Predicted molecular weight: 141 kDa.

应用说明 Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

靶标

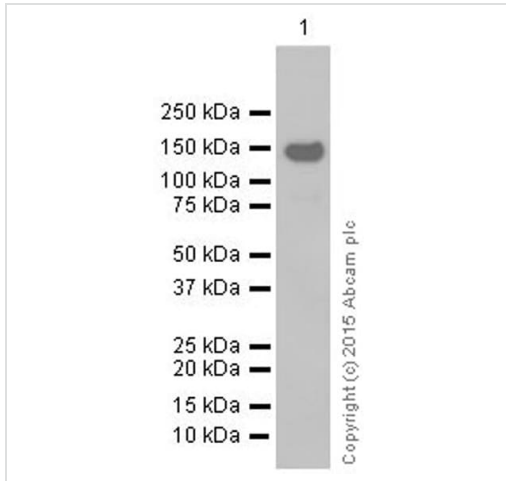
功能 Thick filament-associated protein located in the crossbridge region of vertebrate striated muscle a bands. In vitro it binds MHC, F-actin and native thin filaments, and modifies the activity of actin-activated myosin ATPase. It may modulate muscle contraction or may play a more structural role.

疾病相关 Defects in MYBPC3 are the cause of cardiomyopathy familial hypertrophic type 4 (CMH4) [MIM:115197]. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.

序列相似性 Belongs to the immunoglobulin superfamily. MyBP family.
 Contains 3 fibronectin type-III domains.
 Contains 7 Ig-like C2-type (immunoglobulin-like) domains.

翻译后修饰 Substrate for phosphorylation by PKA and PKC. Reversible phosphorylation appears to modulate contraction.

图片



Western blot - Anti-MYBPC3 antibody [EPR3008(2)] (ab108522)

Anti-MYBPC3 antibody [EPR3008(2)] (ab108522) at 1/5000 dilution (purified) + Human heart tissue lysate at 10 µg

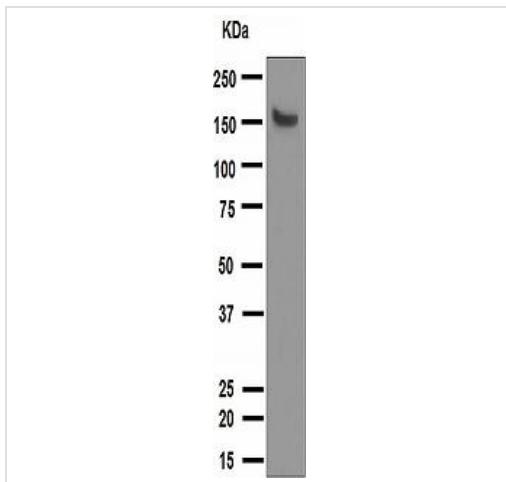
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 141 kDa

Observed band size: 141 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



Western blot - Anti-MYBPC3 antibody [EPR3008(2)] (ab108522)

Anti-MYBPC3 antibody [EPR3008(2)] (ab108522) at 1/1000 dilution (unpurified) + Human heart tissue lysate at 10 µg

Predicted band size: 141 kDa

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-MYBPC3 antibody [EPR3008(2)] (ab108522)

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