abcam

Product datasheet

Anti-Myosin light chain 3 antibody [EPR4161] ab108516

重组 RabMAb

2 图像

概述

产品名称	Anti-Myosin light chain 3抗体[EPR4161]
描述	兔单克隆抗体[EPR4161] to Myosin light chain 3
宿主	Rabbit
经测试应用	**适用于:** WB **不适用于:** Flow Cyt,ICC/IF,IHC-P or IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human skeletal muscle, Human heart, Mouse heart, Mouse liver, and Rat heart lysates
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4161
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab108516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: 22 kDa.

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

靶标

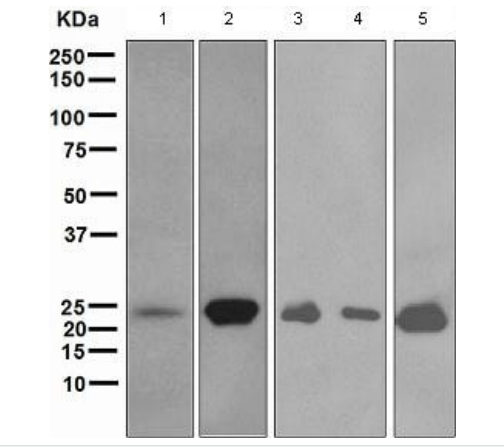
功能 Regulatory light chain of myosin. Does not bind calcium.

疾病相关 Defects in MYL3 are the cause of cardiomyopathy familial hypertrophic type 8 (CMH8) [MIM:608751]. 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. CMH8 inheritance can be autosomal dominant or recessive.
Defects in MYL3 are the cause of cardiomyopathy familial hypertrophic with mid-left ventricular chamber type 1 (MVC1) [MIM:608751]. MVC1 is a very rare variant of familial hypertrophic cardiomyopathy, characterized by mid-left ventricular chamber thickening.

序列相似性 Contains 3 EF-hand domains.

翻译后修饰 The N-terminus is blocked.
N-terminus is methylated by METTL11A/NTM1.

图片



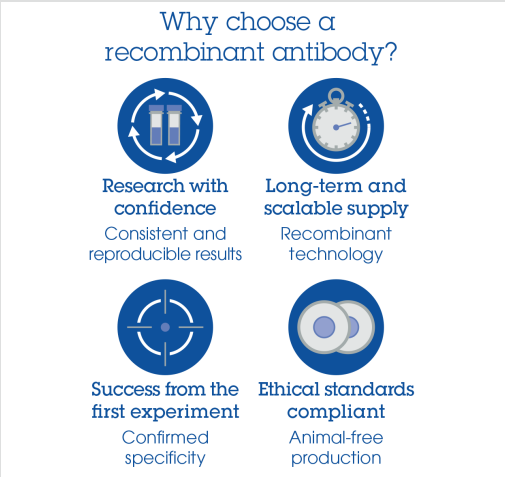
Western blot - Anti-Myosin light chain 3 antibody [EPR4161] (ab108516)

All lanes : Anti-Myosin light chain 3 antibody [EPR4161] (ab108516) at 1/1000 dilution

Lane 1 : Human skeletal muscle lysate
Lane 2 : Human heart lysate
Lane 3 : Mouse heart lysate
Lane 4 : Mouse liver lysate
Lane 5 : Rat heart lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 22 kDa



Anti-Myosin light chain 3 antibody [EPR4161]

(ab108516)

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