abcam

Product datasheet

Anti-Myosin light chain 3 antibody [EPR4160] ab108923



重组 RabMAb

2 References 8 图像

概述

产品名称 Anti-Myosin light chain 3抗体[EPR4160]

描述 兔单克隆抗体[EPR4160] to Myosin light chain 3

宿主 Rabbit

适用于: WB, IHC-P 经测试应用

不适用于: Flow Cyt,ICC/IF or IP

种属反应性 与反应: Human

预测可用于: Mouse, Rat 🔷

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

阳性对照 human heart muscle lysate, human skeletal muscle lysate; human cardiac muscle tissue, human

skeletal muscle tissue

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

存放说明 Shipped at 4°C. Store at -20°C.

存储溶液 pH: 7.20

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 EPR4160

同种型 IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab108923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.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt,ICC/IF 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

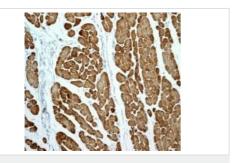
cardiomyopathy, characterized by mid-left ventricular chamber thickening.

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.

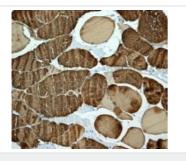
图片



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

Immunohistochemical staining of paraffin-embedded human cardiac muscle using ab108923 at a dilution of 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

Immunohistochemical staining of paraffin-embedded human skeletal muscle tissue using ab108923 at a diltion of 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

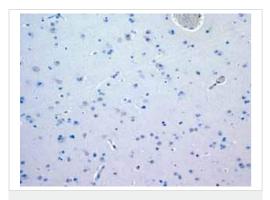
All lanes : Anti-Myosin light chain 3 antibody [EPR4160] (ab108923) at 1/1000 dilution

Lane 1 : human heart muscle tissue lysate

Lane 2 : human skeletal muscle tissue lysate

Lysates/proteins at 10 µg/ml per lane.

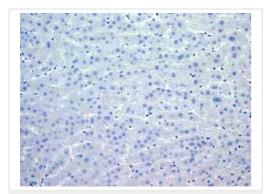
Predicted band size: 22 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

ab108923 showing negative staining in Normal brain tissue.

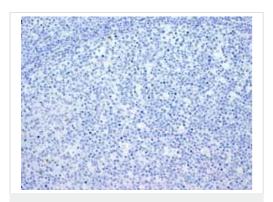
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

ab108923 showing negative staining in Normal liver tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

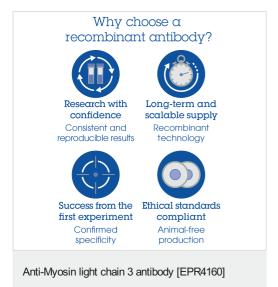
ab108923 showing negative staining in Normal tonsil tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Myosin light chain 3 antibody [EPR4160] (ab108923)

ab108923 showing negative staining in Normal breast tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



(ab108923)

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