

Anti-Myosin Light Chain 2 antibody [AT3B2] ab89594

★★★★★ [3 Abreviews](#) [6 References](#) [3 图像](#)

概述

产品名称	Anti-Myosin Light Chain 2抗体[AT3B2]
描述	小鼠单克隆抗体[AT3B2] to Myosin Light Chain 2
宿主	Mouse
经测试应用	适用于: Flow Cyt (Intra), WB
种属反应性	与反应: Rat, Human
免疫原	Recombinant full length protein corresponding to Human Myosin Light Chain 2 aa 1-166. Database link: P10916
阳性对照	Rat heart extracts. Flow Cyt (Intra): A431 cells.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 11th April 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.2% Sodium azide Constituents: PBS, 10% Glycerol
纯度	Protein A purified
克隆	单克隆
克隆编号	AT3B2

同种型 IgG2b
轻链类型 kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab89594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
Flow Cyt (Intra)		Use at an assay dependent concentration. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	Use at an assay dependent concentration. Detects a band of approximately 19 kDa (predicted molecular weight: 19 kDa).

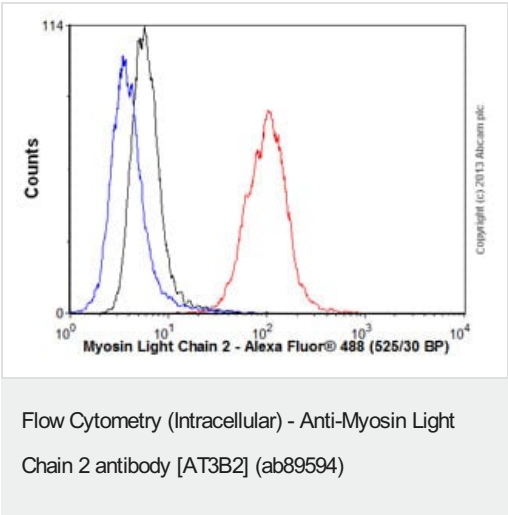
靶标

疾病相关 Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic type 10 (CMH10) [MIM:608758]. 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. Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic with mid-left ventricular chamber type 2 (MVC2) [MIM:608758]. MVC2 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 N-terminus is methylated by METTL11A/NTM1.

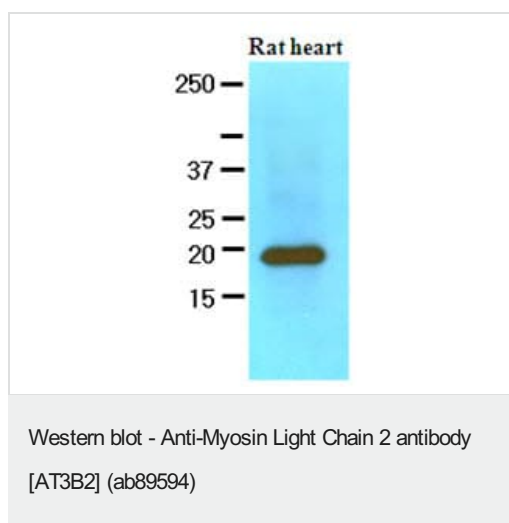
图片



Overlay histogram showing A431 cells stained with ab89594 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab89594, 0.1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon

ion laser (488nm) and 525/30 bandpass filter.

This image was generated using the ascites version of the product.



Anti-Myosin Light Chain 2 antibody [AT3B2] (ab89594) at 1/1000 dilution + rat heart extracts at 60 µg

Secondary

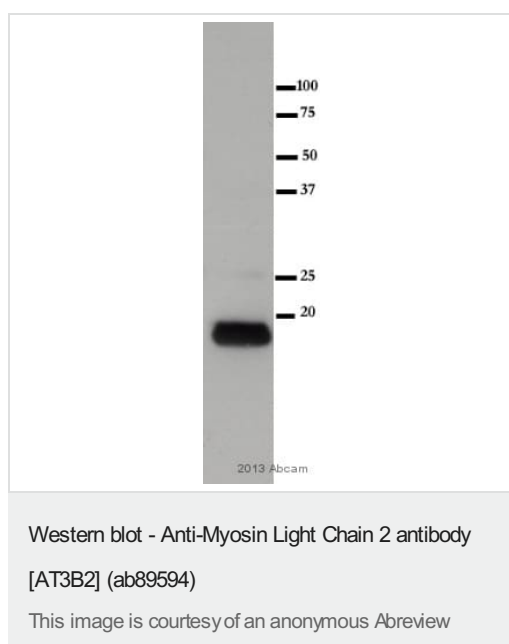
goat anti-mouse HRP

Developed using the ECL technique.

Predicted band size: 19 kDa

Observed band size: 19 kDa

This image was generated using the ascites version of the product.



Anti-Myosin Light Chain 2 antibody [AT3B2] (ab89594) at 1/2000 dilution + Rabbit heart tissue lysate at 10 µg

Secondary

HRP conjugated goat anti-mouse at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 19 kDa

Exposure time: 1 minute

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