

### Anti-Bag3 antibody [EPR3515] ab92309

敲除验证
重组
RabMAb

★★★★★
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#### 概述

产品名称	Anti-Bag3抗体[EPR3515]
描述	兔单克隆抗体[EPR3515] to Bag3
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IP <b>不适用于:</b> Flow Cyt or ICC/IF
种属反应性	<b>与反应:</b> Mouse, Human
免疫原	Synthetic peptide within Human Bag3 aa 50-150. The exact sequence is proprietary.
阳性对照	293T, HeLa, MCF7 and K562 cell lysates. IP: Mouse heart lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
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EPR3515

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab92309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)	1/1000 - 1/10000. Detects a band of approximately 80 kDa (predicted molecular weight: 62 kDa).
IP		1/10 - 1/100.

应用说明

Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能

Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity.

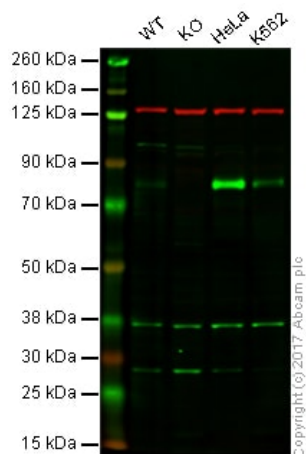
疾病相关

Defects in BAG3 are the cause of myopathy myofibrillar BAG3-related (MFM-BAG3) [MIM:612954]. A neuromuscular disorder that results in early-onset, severe, progressive, diffuse muscle weakness associated with cardiomyopathy, severe respiratory insufficiency during adolescence, and a rigid spine in some patients. At ultrastructural level, muscle fibers display structural alterations consisting of replacement of the normal myofibrillar markings by small, dense granules, or larger hyaline masses, or amorphous material.

序列相似性

Contains 1 BAG domain.  
Contains 2 WW domains.

图片



Western blot - Anti-Bag3 antibody [EPR3515]  
(ab92309)

**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

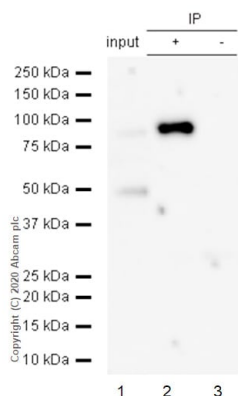
**Lane 2:** BAG3 knockout HAP1 whole cell lysate (20 µg)

**Lane 3:** HeLa whole cell lysate (20 µg)

**Lane 4:** K562 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab92309 observed at 80 kDa. Red - loading control, **ab18058**, observed at 130 kDa.

ab92309 was shown to recognize BAG3 in wild-type cells as signal was lost at the expected MW in BAG3 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and BAG3 knockout samples were subjected to SDS-PAGE. Ab92309 and **ab18058** (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunoprecipitation - Anti-Bag3 antibody  
[EPR3515] (ab92309)

Purified ab92309 at 1/50 dilution (2µg) immunoprecipitating Bag3 in Mouse heart lysate.

Lane 1 (input): Mouse heart lysate 10µg

Lane 2 (+): ab92309 + Mouse heart lysate.

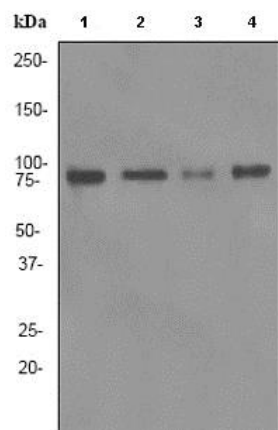
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab92309 in Mouse heart lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 80 kDa



Western blot - Anti-Bag3 antibody [EPR3515]  
(ab92309)

**All lanes :** Anti-Bag3 antibody [EPR3515] (ab92309) at 1/1000 dilution

**Lane 1 :** 293T cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** MCF7 cell lysate

**Lane 4 :** K562 cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 62 kDa

**Observed band size:** 80 kDa

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Bag3 antibody [EPR3515] (ab92309)

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

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