abcam

Product datasheet

Anti-Bag3 antibody ab47124

★★★★★ 1 Abreviews 22 References 6 图像

概述

产品名称	Anti-Bag3抗体
描述	兔多克隆抗体to Bag3
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, IP, IHC-P, IHC-Fr, WB
种属反应性	**与反应:** Mouse, Human
免疫原	A recombinant protein fragment corresponding to the C terminal 196 amino acids of human BAG3.
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituent: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用ab47124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
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
IHC-P		1/1000 - 1/5000.
IHC-Fr		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000 - 1/2000. Predicted molecular weight: 62 kDa.

靶标

功能

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

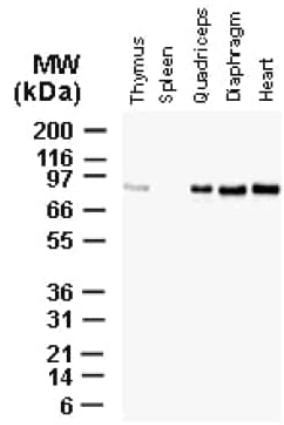
疾病相关

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



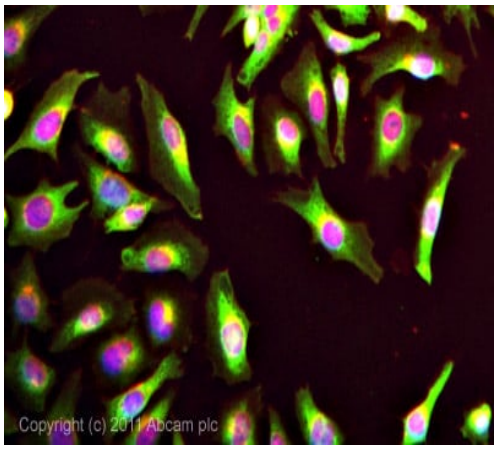
Western blot - Anti-Bag3 antibody (ab47124)

All lanes : Anti-Bag3 antibody (ab47124) at 1/2000 dilution

Lane 1 : Thymus lysates, total protein (20ug/lane)
Lane 2 : Spleen lysates, total protein (20ug/lane)
Lane 3 : Skeletal(quadriceps) lysates, total protein (20ug/lane)
Lane 4 : Skeletal(diaphragm) lysates, total protein (20ug/lane)
Lane 5 : Smooth (heart) muscle lysates, total protein (20ug/lane)

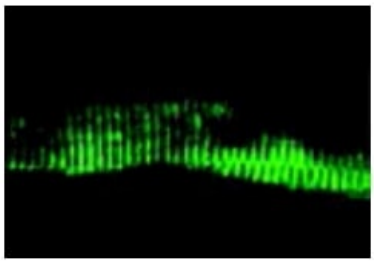
Predicted band size: 62 kDa
Observed band size: 86 kDa

Tissue lysates, normalized for total protein (20 µg/lane), were from a 4 week old male mouse. BAG3 expression was detected at highest levels in skeletal (quadriceps and diaphragm) and smooth (heart) muscle specimens.



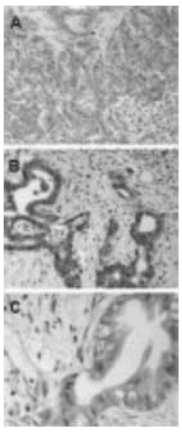
Immunocytochemistry/ Immunofluorescence - Anti-Bag3 antibody (ab47124)

ICC/IF image of ab47124 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab47124) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



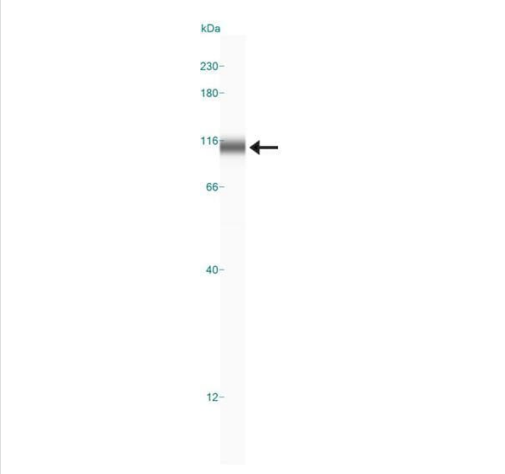
Immunohistochemistry (Frozen sections) - Anti-Bag3 antibody (ab47124)

Frozen mouse muscle tissue section stained for BAG3 expression using ab47124 at 1/2000. The tissue section was fixed in 3.8% paraformaldehyde prior to staining. BAG3 localizes with Z-disk proteins."



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bag3 antibody (ab47124)

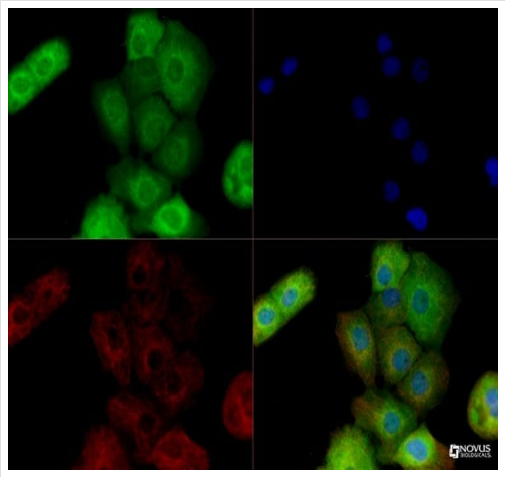
Immunohistochemistry of formalin fixed paraffin embedded human pancreas tissue sections using ab47124 at 1/2000. A, normal pancreas. B and C, pancreatic cancer. Hematoxylin-eosin counterstain.



Western blot - Anti-Bag3 antibody (ab47124)

Anti-Bag3 antibody (ab47124) + Hela lysate at 0.5 mg/ml

Predicted band size: 62 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Bag3 antibody (ab47124)

Immunocytochemistry/Immunofluorescence of A431 cells stained with Anti-Bag3 antibody (ab47124) green. Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors