


### Anti-UQCRFS1/RISP antibody [5A5] ab14746

★★★★★ [5 Abreviews](#) [77 References](#) [4 图像](#)

#### 概述

产品名称	Anti-UQCRFS1/RISP抗体[5A5]
描述	小鼠单克隆抗体[5A5] to UQCRFS1/RISP
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt, IHC-P
种属反应性	与反应: Mouse, Rat, Cow, Human 预测可用于: Pig 
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human, bovine, rat and murine heart mitochondria. In Flow Cytometry, this antibody gave a positive signal in Raji cells.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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&amp;As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
纯度	Immunogen affinity purified
纯化说明	Near homogeneity as judged by SDS-PAGE. The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.

克隆	单克隆
克隆编号	5A5
同种型	IgG2b
轻链类型	kappa

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab14746 于以下的经测试应用

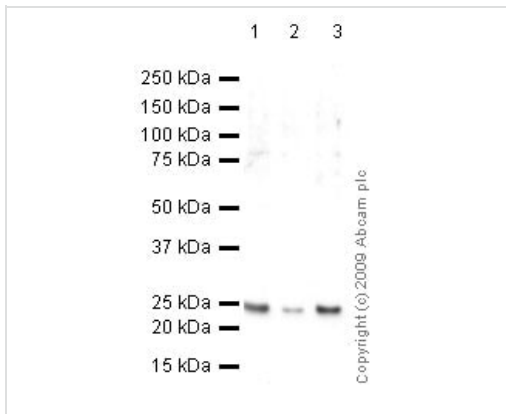
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 25 kDa.
Flow Cyt		Use 1 µg for 10 <sup>6</sup> cells. <b>ab170192</b> - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (1)	Use a concentration of 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## 靶标

功能	<p>Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis.</p> <p>The transit peptide of the Rieske protein seems to form part of the bc1 complex and is considered to be the subunit 11/IX of that complex.</p>
序列相似性	Contains 1 Rieske domain.
细胞定位	Mitochondrion inner membrane.

## 图片



Western blot - Anti-UQCRFS1/RISP antibody [5A5] (ab14746)

**All lanes :** Anti-UQCRFS1/RISP antibody [5A5] (ab14746) at 0.5  $\mu\text{g/ml}$

**Lane 1 :** Hela Whole Cell Lysate - Hydroxyurea Treated

**Lane 2 :** Hela Whole Cell Lysate - Bleomycin Treated

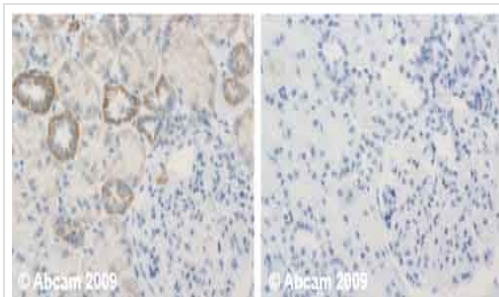
**Lane 3 :** Hela Whole Cell Lysate - Staurosporine Treated

Lysates/proteins at 10  $\mu\text{g}$  per lane.

### Secondary

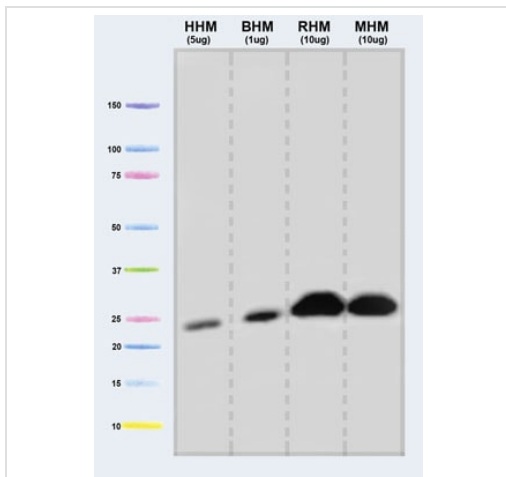
**All lanes :** Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

**Observed band size:** 25 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UQCRFS1/RISP antibody [5A5] (ab14746)

Human normal kidney (cortex). Staining is observed intracellular. Left panel: with primary antibody at 2  $\mu\text{g/ml}$ . Right panel: isotype control. Sections were stained using an automated system DAKO Autostainer Plus , at room temperature: sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffers citrate EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for mouse for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



Western blot - Anti-UQCRCFS1/RISP antibody [5A5] (ab14746)

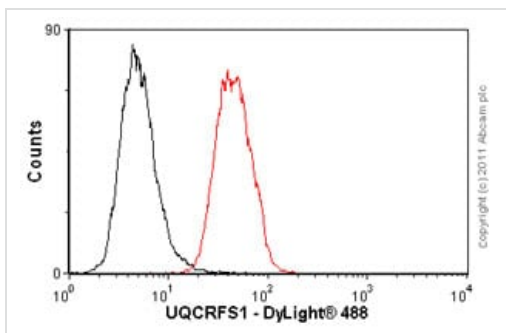
**All lanes :** Anti-UQCRCFS1/RISP antibody [5A5] (ab14746) at 1 µg/ml

**Lane 1 :** Isolated mitochondria from human heart at 5 µg

**Lane 2 :** Isolated mitochondria from bovine heart at 1 µg

**Lane 3 :** Isolated mitochondria from rat heart at 10 µg

**Lane 4 :** Isolated mitochondria from mouse heart at 10 µg



Flow Cytometry - Anti-UQCRCFS1/RISP antibody [5A5] (ab14746)

Overlay histogram showing Raji cells stained with ab14746 (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. The cells were then incubated with the antibody (ab14746, 1µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Raji cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween used under the same conditions.

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

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