


### Anti-COX4 + COX4L2 antibody [10G8D12C12] ab110261

★★★★★ **2 Abreviews** **51 References** **5 图像**

#### 概述

产品名称	Anti-COX4 + COX4L2抗体[10G8D12C12]
描述	小鼠单克隆抗体[10G8D12C12] to COX4 + COX4L2
宿主	Mouse
经测试应用	适用于: IHC-Fr, WB, Flow Cyt, ICC/IF
种属反应性	与反应: Cow, Human 预测可用于: Zebrafish 
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
阳性对照	Isolated mitochondria from Human heart, Bovine heart and HepG2 cells. Human skeletal muscle (frozen sections). Cultured Human embryonic lung derived fibroblasts (strain MRC5; fixed and permeabilized). Human colon tissue sections. HeLa 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. Do Not Freeze.
存储溶液	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: HEPES buffered saline</p>
纯度	IgG fraction
纯化说明	ab110261 was produced in vitro using hybridomas grown in serum-free medium, and then

purified by biochemical fractionation. ab110261 was judged as near homogeneity by SDS PAGE.

克隆  
克隆编号  
同种型  
轻链类型

单克隆  
10G8D12C12  
IgG2a  
kappa

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab110261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。

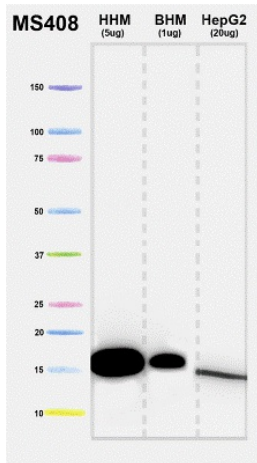
应用	Ab评论	说明
IHC-Fr		1/800.
WB	★★★★☆ (2)	Use a concentration of 1 µg/ml. Predicted molecular weight: 20 kDa.
Flow Cyt		Use a concentration of 1 µg/ml. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 5 µg/ml. (heat-induced antigen-retrieval improves signal)

## 靶标

**相关性**      Cytochrome C Oxidase is located in the inner mitochondrial membrane and is the terminal enzyme complex of the mitochondrial electron transport chain. It collects electrons that are transferred from reduced cytochrome C and donates them to molecular oxygen, which is then reduced to water. It is composed of cytochrome A and cytochrome B, two copper atoms, and 13 different protein subunits, three of which are encoded by the mitochondrial DNA and ten others by nuclear DNA (mammals).

**细胞定位**      Mitochondrial inner membrane

## 图片



Western blot - Anti-COX4 + COX4L2 antibody  
[10G8D12C12] (ab110261)

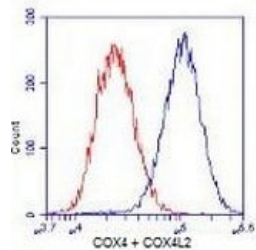
**All lanes :** Anti-COX4 + COX4L2 antibody [10G8D12C12]  
(ab110261) at 1 µg/ml

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

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

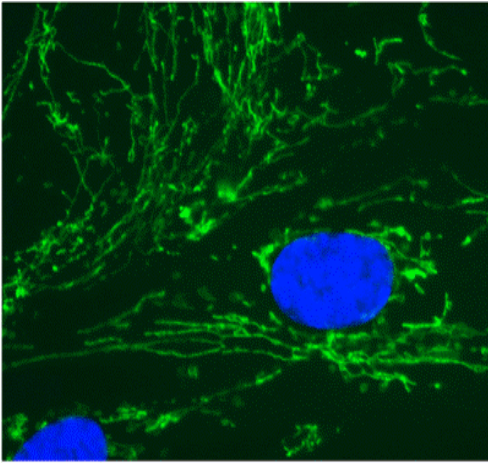
**Lane 3 :** Isolated mitochondria from HepG2 at 20 µg

**Predicted band size:** 20 kDa



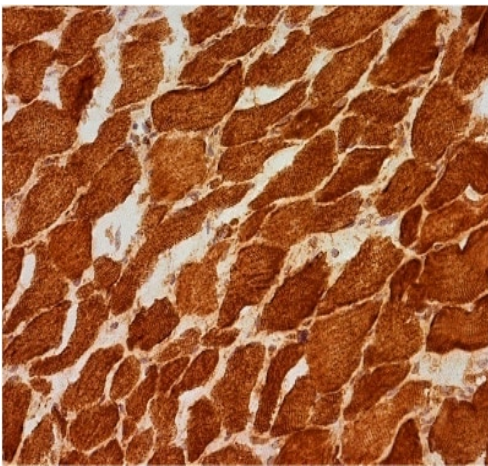
Flow Cytometry - Anti-COX4 + COX4L2 antibody  
[10G8D12C12] (ab110261)

ab110261, at 1 µg/mL, staining COX4 + COX4L2 in HeLa cells by  
Immunohistochemistry (blue) and an isotype control antibody, at 1  
µg/mL, staining of HeLa cells (red).



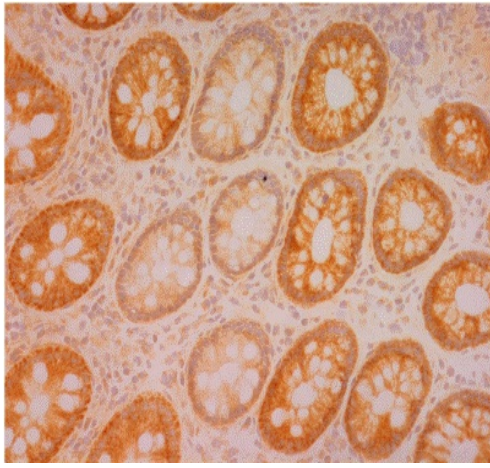
Immunocytochemistry/ Immunofluorescence - Anti-COX4 + COX4L2 antibody [10G8D12C12] (ab110261)

ab110261, at 10 µg/ml, staining COX4 + COX4L2 in cultured Human embryonic lung derived fibroblasts by Immunofluorescence. The cells (strain MRC5) were fixed, permeabilized and then labeled with ab110261 followed by an AlexaFluor® 488 conjugated Goat anti-mouse IgG2a isotype specific secondary antibody at 1 µg/ml.



Immunohistochemistry (Frozen sections) - Anti-COX4 + COX4L2 antibody [10G8D12C12] (ab110261)

ab110261, at 1/800, staining COX4 + COX4L2 in skeletal muscle tissue sections from a patient with a single large deletion of the mtDNA by Immunohistochemistry. The tissue was snap frozen and fixed in 4% PFA. Image kindly provided by Dr. J. Murphy and D. Turnbull, Mitochondrial Research Group, Newcastle University.



Immunohistochemistry (Frozen sections) - Anti-COX4 + COX4L2 antibody [10G8D12C12] (ab110261)

ab110261, at 1/200, showing COX4 + COX4L2 negative crypts in colon tissue sections from a normal ageing patient by Immunohistochemistry. The tissue was snap frozen and fixed in 4% PFA. Image kindly provided by Dr. J. Murphy and D. Turnbull, Mitochondrial Research Group, Newcastle University.

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