


# HRP Anti-COX IV antibody [mAbcam33985] - Mitochondrial Marker ab62164

[5 References](#)   [3 图像](#)

### 概述

产品名称	HRP Anti-COX IV抗体[mAbcam33985] - Mitochondrial Marker
描述	HRP小鼠单克隆抗体[mAbcam33985] to COX IV - Mitochondrial Marker
宿主	Mouse
偶联物	HRP
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Cow, Xenopus laevis, Chimpanzee, Zebrafish 
免疫原	Synthetic peptide corresponding to Human COX IV aa 150 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab16381</a> )
阳性对照	WB: HeLa, HEK293, A431, Jurkat and HepG2 whole cell lysates and mouse skeletal muscle tissue lysate. IHC-P: Normal human colon tissue.
常规说明	<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>

### 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. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% 10% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
纯度	IgG fraction

克隆	单克隆
克隆编号	mAbcam33985
骨髓瘤	Sp2/0
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab62164于以下的经测试应用

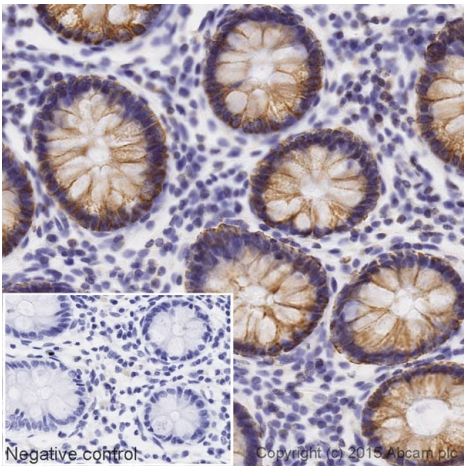
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000. Predicted molecular weight: 15 kDa.
IHC-P		1/100.

靶标

功能	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
组织特异性	Ubiquitous.
序列相似性	Belongs to the cytochrome c oxidase IV family.
细胞定位	Mitochondrion inner membrane.

图片



Negative control

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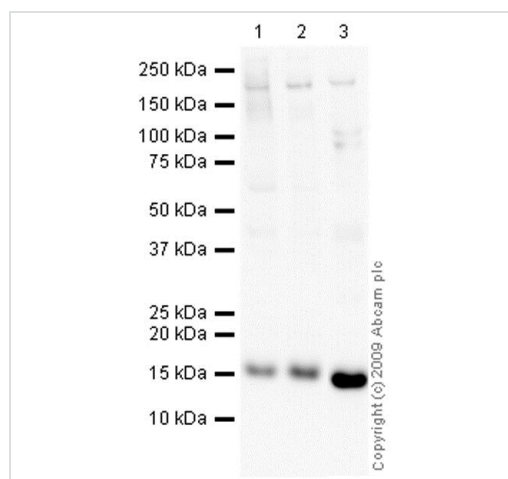
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-COX IV antibody [mAbcam33985] - Mitochondrial Marker (ab62164)

IHC image of COX IV staining in a section of formalin-fixed paraffin-embedded normal human colon\*, performed on a Leica BOND™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab62164 at 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.



Western blot - HRP Anti-COX IV antibody  
[mAbcam33985] - Mitochondrial Marker (ab62164)

**All lanes :** HRP Anti-COX IV antibody [mAbcam33985] -  
Mitochondrial Marker (ab62164) at 1/5000 dilution

**Lane 1 :** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell  
Lysate

**Lane 2 :** HepG2 (Human hepatocellular liver carcinoma cell line)  
Whole Cell Lysate

**Lane 3 :** Skeletal Muscle (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

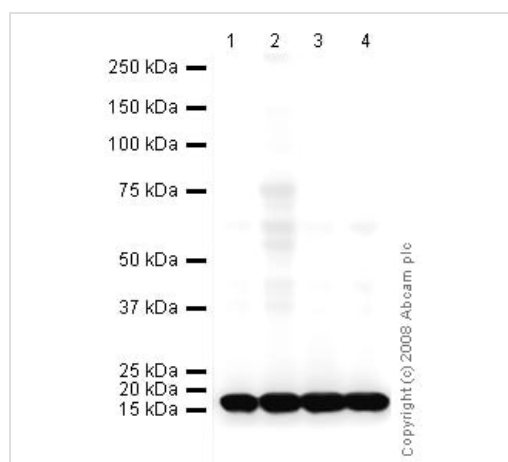
Performed under reducing conditions.

**Predicted band size:** 15 kDa

**Observed band size:** 15 kDa

**Exposure time:** 2 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab62164 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).



Western blot - HRP Anti-COX IV antibody  
[mAbcam33985] - Mitochondrial Marker (ab62164)

**All lanes :** HRP Anti-COX IV antibody [mAbcam33985] -  
Mitochondrial Marker (ab62164) at 1/4000 dilution

**Lane 1 :** HeLa (Human epithelial carcinoma cell line) Whole Cell  
Lysate

**Lane 2 :** HEK293 (Human embryonic kidney cell line) Whole Cell  
Lysate

**Lane 3 :** A431 (Human epithelial carcinoma cell line) Whole Cell  
Lysate

**Lane 4 :** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell  
Lysate

Lysates/proteins at 10 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 15 kDa

**Observed band size:** 17 kDa

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

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