


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

5 References **画像数 3**

製品の概要

製品名	HRP Anti-COX IV antibody [mAbcam33985] - Mitochondrial Marker
製品の詳細	HRP Mouse monoclonal [mAbcam33985] to COX IV - Mitochondrial Marker
由来種	Mouse
標識	HRP
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Human 交差が予測される動物種: 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 ab16381)
ポジティブ・コントロール	WB: HeLa, HEK293, A431, Jurkat and HepG2 whole cell lysates and mouse skeletal muscle tissue lysate. IHC-P: Normal human colon tissue.
特記事項	<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&As</p>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.40 Preservative: 0.1% 10% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
精製度	IgG fraction

ポリ/モノ	モノクローナル
クローン名	mAbcam33985
ミエローマ	Sp2/0
アイソタイプ	IgG

アプリケーション

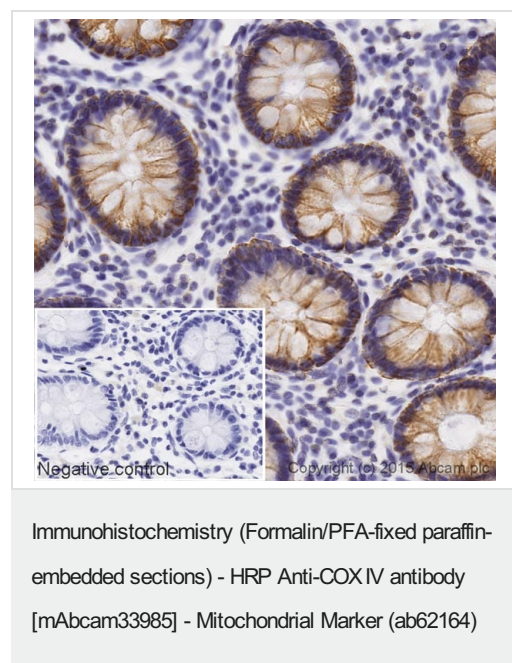
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab62164の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/5000. Predicted molecular weight: 15 kDa.
IHC-P		1/100.

ターゲット情報

機能	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
組織特異性	Ubiquitous.
配列類似性	Belongs to the cytochrome c oxidase IV family.
細胞内局在	Mitochondrion inner membrane.

画像

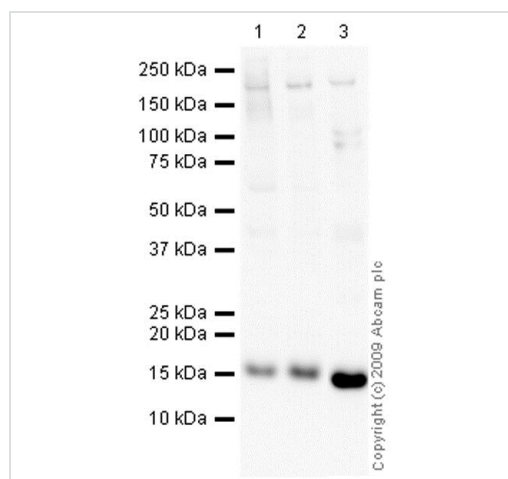


IHC image of COX IV staining in a section of formalin-fixed paraffin-embedded normal human colon*, performed on a Leica BOND™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with 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.

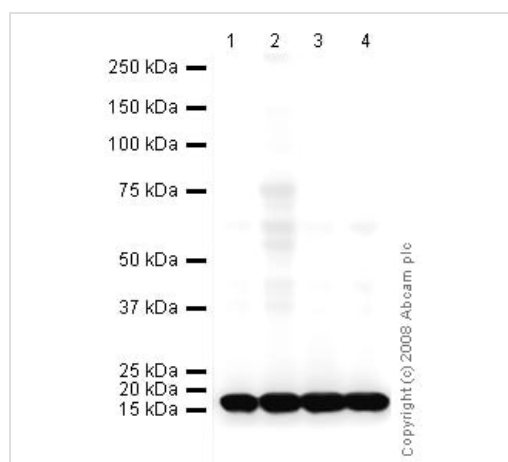
Performed under reducing conditions.

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

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