


Product datasheet

Anti-COX6A1 antibody [14A3AD2BH4] ab110265

★★★★☆ 1 Abreviews 1 References 画像数 2

製品の概要

製品名	Anti-COX6A1 antibody [14A3AD2BH4]
製品の詳細	Mouse monoclonal [14A3AD2BH4] to COX6A1
由来種	Mouse
特異性	ab110265 recognises the Liver isoform in human, rat, mouse.
アプリケーション	適用あり: Flow Cyt, WB
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Rabbit, Cow, Dog 
免疫原	Synthetic peptide: SSGAHGEEGSARMWKALTLF (C) , corresponding to amino acids 25-44 of Cow COX6A1 Run BLAST with Run BLAST with
ポジティブ・コントロール	HepG2, Human, Mouse and Rat heart lysate.
特記事項	This antibody clone is manufactured by Abcam. Product was previously marketed under the MitoSciences sub-brand. If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
特記事項(精製)	ab110265 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
ポリモノ	モノクローナル
クローン名	14A3AD2BH4
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab110265** in the following tested applications.

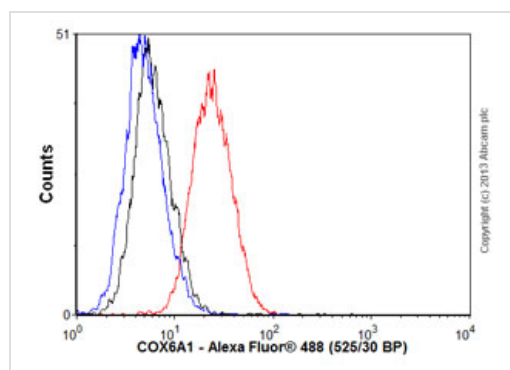
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★☆	Use a concentration of 5 µg/ml. Predicted molecular weight: 12 kDa.

ターゲット情報

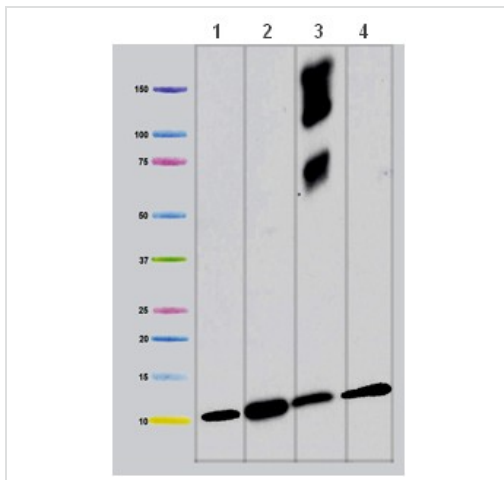
機能	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
配列類似性	Belongs to the cytochrome c oxidase subunit 6A family.
細胞内局在	Mitochondrion inner membrane.

画像



Flow Cytometry - Anti-COX6A1 antibody
[14A3AD2BH4] (ab110265)

Overlay histogram showing HepG2 cells stained with ab110265 (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 followed by the antibody (ab110265, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) ([ab150113](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HepG2 cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Western blot - Anti-COX6A1 antibody
[14A3AD2BH4] (ab110265)

All lanes : Anti-COX6A1 antibody [14A3AD2BH4] (ab110265) at 5 $\mu\text{g/ml}$

Lane 1 : Human Heart Lysate

Lane 2 : Rat Heart Lysate

Lane 3 : Mouse Heart Lysate

Lane 4 : HepG2 cell lysate

Predicted band size: 12 kDa

Extra bands in the mouse sample (lane 3) are due to the reaction of the IgG-specific goat anti-mouse secondary antibody with residual mouse blood in the heart tissue, as it is very difficult to entirely remove the blood from these small organs.

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