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Product datasheet

Anti-ATP synthase Immunocapture antibody [12F4AD8AF8] ab109867

3 Abreviews 19 References 画像数 1

製品の概要

製品名	Anti-ATP synthase Immunocapture antibody [12F4AD8AF8]
製品の詳細	Mouse monoclonal [12F4AD8AF8] to ATP synthase Immunocapture
由来種	Mouse
アプリケーション	**適用あり:** Flow Cyt **適用なし:** ICC or WB
種交差性	**交差種:** Human
免疫原	Full length protein. This information is considered to be commercially sensitive.
ポジティブ・コントロール	Bovine heart mitochondria **ab110338**
特記事項	ab109867 is a sample of pure immunocapture antibody, not immobilized to a solid support. This antibody was tested and confirmed not suitable for WB and ICC. This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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. 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 Product was previously marketed under the MitoSciences sub-brand.

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	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline

特記事項（精製）	The purity of ab109867 is 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.
一次抗体 備考	ab109867 is a sample of pure immunocapture antibody, not immobilized to a solid support.
ポリ/モノ	モノクローナル
クローン名	12F4AD8AF8
アイソタイプ	IgG2b
軽鎖の種類	kappa

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ab109867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検討ください。

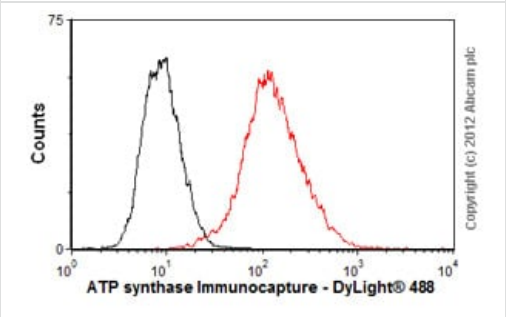
アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1µg for 10^6 cells. **ab170192** - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

追加情報 Is unsuitable for ICC or WB.

ターゲット情報

関連性 Complex V, also called F1F0ATPase or ATP synthase, is responsible for ATP production in oxidative phosphorylation and can work in reverse as a proton pumping ATPase. The enzyme was thought to be localized exclusively to mitochondria. However, it has recently been identified on the plasma membrane of several cell types including hepatocytes where it functions as the HDL receptor, on endothelial cells where it may act as the angiostatin receptor, and on the surface of cancer cells. The enzyme in mammals is composed of 17 subunits, five of which make up the easily detached F1. The remainder subunits are components of two stalk domains and the proton pumping F0 part of the machinery. Two of the subunits of the F0 part are encoded on mitochondrial DNA while the other subunits are nuclear encoded. Mutations in the mitochondrial-encoded subunits of ATP synthase (Complex V) cause OXPHOS disease.

画像



Flow Cytometry - Anti-ATP synthase Immunocapture antibody [12F4AD8AF8] (ab109867)

Overlay histogram showing HepG2 cells stained with ab109867 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab109867, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HepG2 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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