


Anti-UCP1 antibody ab10983

★★★★☆ [23 Abreviews](#) [722 References](#) [画像数 3](#)

製品の概要

製品名	Anti-UCP1 antibody
製品の詳細	Rabbit polyclonal to UCP1
由来種	Rabbit
特異性	This polyclonal antibody does not undergo batch testing for mouse western blot, and we cannot therefore guarantee this reagent for this species/application. For an alternative product please see ab209483 which is guaranteed for mouse western blot.
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Rat 交差が予測される動物種: Sheep, Rabbit, Cow, Dog, Human, Macaque monkey 
免疫原	Synthetic peptide corresponding to Human UCP1 aa 145-159 conjugated to keyhole limpet haemocyanin (Cysteine residue).
ポジティブ・コントロール	IHC-P: Murine inguinal white adipose tissue. WB: Rat brown fat lysate.
特記事項	Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours. 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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.097% Sodium azide Constituents: PBS, 0.1% BSA
精製度	Immunogen affinity purified

特記事項(精製)	ab10983 is affinity purified using the immunogenic peptide immobilized on agarose.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

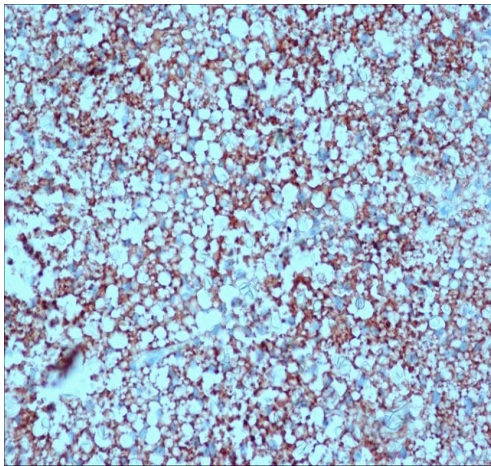
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab10983の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (11)	1/1000. Detects a band of approximately 32 kDa. Use at a minimum dilution of 1/1000 in extract of rat brown adipose tissue (BAT) mitochondria or an extract of E.coli expressing recombinant mouse UCP1. Additional weak bands may be detected in some preparations of BAT extracts. Staining of the UCP1 band is specifically inhibited with the immunizing peptide. This antibody may not be suitable for Western blot in Human
IHC-P	★★★★★ (8)	1/500. This concentration is determined by indirect immunoperoxidase staining of protease digested, formalin-fixed, paraffin-embedded sections of mouse brown adipose tissue.

ターゲット情報

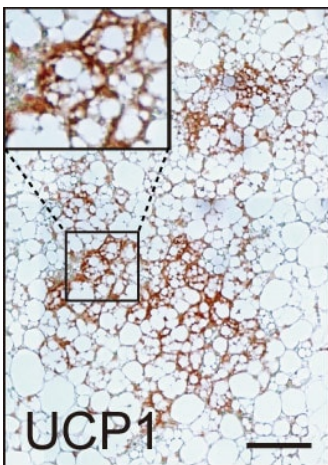
機能	UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation from ATP synthesis. As a result, energy is dissipated in the form of heat.
組織特異性	Brown adipose tissue.
配列類似性	Belongs to the mitochondrial carrier family. Contains 3 Solcar repeats.
細胞内局在	Mitochondrion inner membrane.
製品の状態	UCP1 is preferentially expressed in brown adipose tissue

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UCP1 antibody (ab10983)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded mouse brown adipose tissue staining UCP1 using ab10983 at 1/500 dilution. Detected using an Anti-Rabbit IgG-biotin conjugate and an Avidin-Peroxidase conjugate.

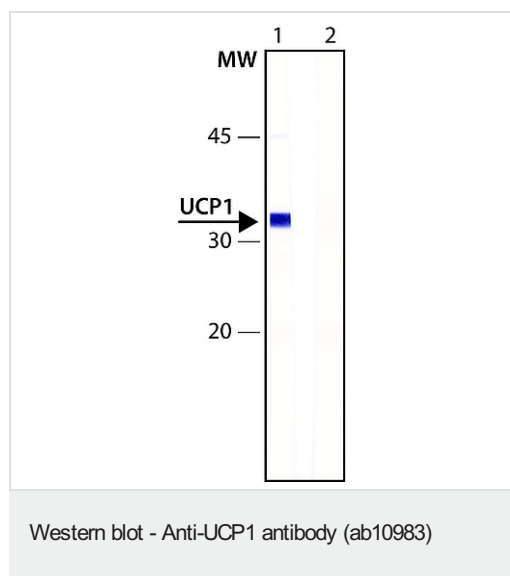


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UCP1 antibody (ab10983)

Image from Mori Met et al., PLoS Biol. 2012;10(4):e1001314. Epub 2012 Apr 24. Fig 5.; doi:10.1371/journal.pbio.1001314; April 24, 2012, PLoS Biol 10(4): e1001314.

ab10983, staining UCP1, in murine inguinal white adipose tissue, by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was incubated with primary antibody at 1/1000 dilution and staining was detected using an HRP/DAB detection kit. Sections were counterstained using hematoxylin.



All lanes : Anti-UCP1 antibody (ab10983) at 1 µg/ml

Lane 1 : Rat brown fat

Lane 2 : Rat brown fat with UCP1 immunizing peptide (human, 145-159)

Secondary

All lanes : Goat Anti-Rabbit IgG-Alkaline Phosphatase and a colorimetric substrate

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