

### Anti-UCP3 antibody ab10985

★★★★★ [1 Abreviews](#) [20 References](#) [画像数 1](#)

#### 製品の概要

製品名	Anti-UCP3 antibody
製品の詳細	Rabbit polyclonal to UCP3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide corresponding to Human UCP3 aa 254-267 conjugated to keyhole limpet haemocyanin. Database link: <a href="#">P55916</a>
特記事項	<p>Storage in frost-free freezers is also 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.</p> <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>

#### 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: 0.0268% PBS, 0.1% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	The antibody is affinity-purified using the immunogen 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

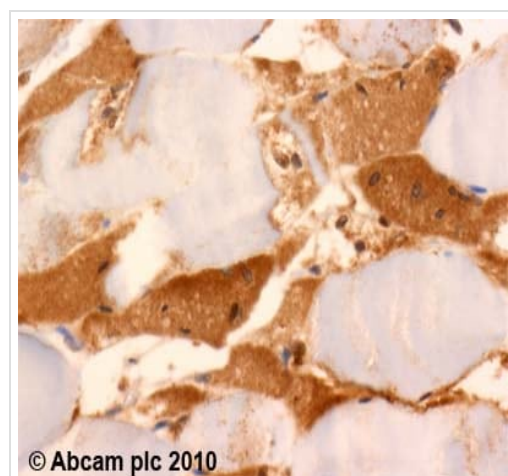
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/3000.

## 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. As a result, energy is dissipated in the form of heat. May play a role in the modulation of tissue respiratory control. Participates in thermogenesis and energy balance.
組織特異性	Only in skeletal muscle and heart. Is more expressed in glycolytic than in oxidative skeletal muscles.
関連疾患	Defects in UCP3 may be involved in obesity (OBESITY) [MIM:601665]. It is a condition characterized by an increase of body weight beyond the limitation of skeletal and physical requirements, as the result of excessive accumulation of body fat.
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	UCP3 is preferentially expressed in muscle

## 画像



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UCP3 antibody (ab10985)

ab10985 (2µg/ml) staining UCP3 in human skeletal muscle using an automated system (DAKO Autostainer Plus). Using this protocol there is strong cytoplasmic staining of myocytes.

Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.

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