

Anti-UCP3 antibody ab10985

★★★★★ [1 Abreviews](#) [20 References](#) [1 图像](#)

概述

产品名称	Anti-UCP3抗体
描述	兔多克隆抗体to UCP3
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human UCP3 aa 254-267 conjugated to keyhole limpet haemocyanin. Database link: P55916
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.097% Sodium azide Constituents: 0.0268% PBS, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	The antibody is affinity-purified using the immunogen peptide immobilized on agarose.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab10985于以下的经测试应用

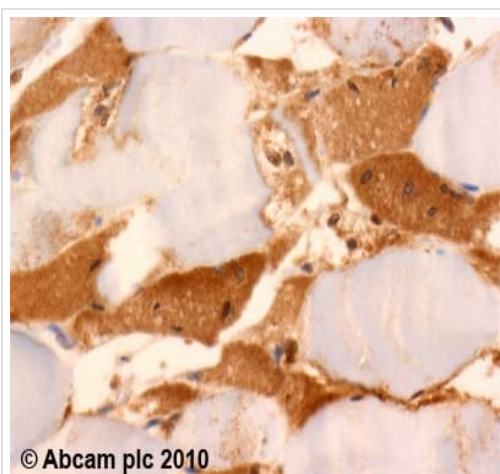
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/3000.

靶标

功能	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.
组织特异性	Only in skeletal muscle and heart. Is more expressed in glycolytic than in oxidative skeletal muscles.
疾病相关	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.
序列相似性	Belongs to the mitochondrial carrier family. Contains 3 Solcar repeats.
细胞定位	Mitochondrion inner membrane.
形式	UCP3 is preferentially expressed in muscle

图片



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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% H₂O₂ 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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