Product datasheet

Anti-UCP1 antibody ab155117

Overview

Product name: Anti-UCP1 antibody
Description: Rabbit polyclonal to UCP1
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-P
Species reactivity: Reacts with: Mouse, Human
Immunogen: Recombinant fragment, corresponding to a region within amino acids 1-299 of Human UCP1 (UniProt P25874).
Positive control: Mouse interscapular brown adipose tissue whole cell lysate, Human colon carcinoma tissue.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 0.75% Glycine, 1.21% Tris, 10% Glycerol
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab155117 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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### Function
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.

### Tissue specificity
Brown adipose tissue.

### Sequence similarities
Belongs to the mitochondrial carrier family.
Contains 3 Solcar repeats.

### Cellular localization
Mitochondrion inner membrane.

### Form
UCP1 is preferentially expressed in brown adipose tissue.

### Images

**Western blot** - Anti-UCP1 antibody (ab155117)

Anti-UCP1 antibody (ab155117) at 1/1000 dilution + Mouse interscapular brown adipose tissue whole cell lysate at 2.5 µg

**Predicted band size:** 33 kDa

10% SDS PAGE

**Immunohistochemistry** (Formalin/PFA-fixed paraffin-embedded Human colon carcinoma tissue, labeling UCP1 with ab155117 at 1/250 dilution.

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