

Product datasheet

Anti-UCP4 antibody ab183886

1 Image

Overview

<b>Product name</b>	Anti-UCP4 antibody
<b>Description</b>	Rabbit polyclonal to UCP4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human UCP4 aa 13-174. The exact sequence is proprietary. Database link: <a href="#">O95847</a>
<b>Positive control</b>	SK-N-SH, IMR32 and SK-NAS whole cell lysates.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: PBS, 20% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab183886** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 36 kDa.

## Target

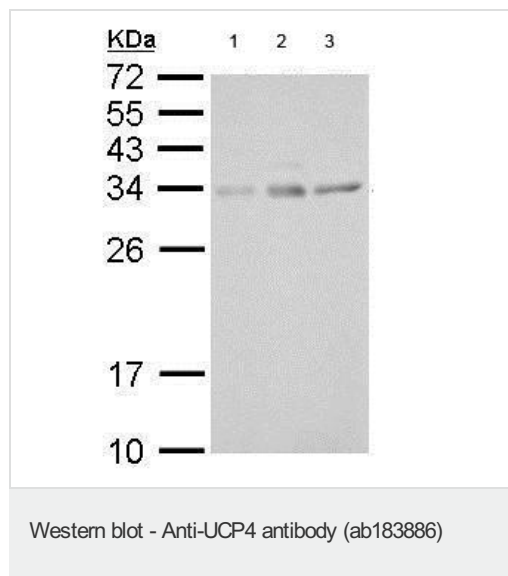
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<b>Function</b>	UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation from ATP synthesis. As a result, energy is dissipated in the form of heat. May play a role in thermoregulatory heat production and metabolism in brain.
<b>Tissue specificity</b>	Found in adult and fetal brain. Present in most of the brain tissues, with low levels in spinal chord, corpus callosum and substantia nigra.
<b>Sequence similarities</b>	Belongs to the mitochondrial carrier (TC 2.A.29) family. Contains 3 Solcar repeats.
<b>Cellular localization</b>	Mitochondrion inner membrane.

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## Images

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**All lanes :** Anti-UCP4 antibody (ab183886) at 1/1000 dilution

**Lane 1 :** SK-N-SH whole cell lysate

**Lane 2 :** IMR32 whole cell lysate

**Lane 3 :** SK-N-AS whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 36 kDa

12% SDS PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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