# ANTIBODIES ONLINE

## Datasheet for ABIN2789412 anti-UCP1 antibody (N-Term)

Image



Overview

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Quantity:	100 μL
Target:	UCP1
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCP1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Sequence:	GLPAGLQRQI SSASLRIGLY DTVQEFLTAG KETAPSLGSK ILAGLTTGGV
Predicted Reactivity:	Human: 100%, Rabbit: 85%
Characteristics:	This is a rabbit polyclonal antibody against UCP1. It was validated on Western Blot.
Purification:	Affinity Purified

### Target Details

Target:	UCP1
Alternative Name:	UCP1 (UCP1 Products)
Background:	Mitochondrial uncoupling proteins (UCP) are members of the family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with

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	energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the
	transfer of anions from the inner to the outer mitochondrial membrane and the return transfer
	of protons from the outer to the inner mitochondrial membrane. They also reduce the
	mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the
	different UCPs and the exact methods of how UCPs transfer H+/OH- are not known. UCPs
	contain the three homologous protein domains of MACPs. This gene is expressed only in
	brown adipose tissue, a specialized tissue which functions to produce heat.
	Alias Symbols: SLC25A7, UCP
	Protein Interaction Partner: CIDEA, TOMM20,
	Protein Size: 307
Molecular Weight:	34 kDa
Gene ID:	7350
NCBI Accession:	NM_021833, NP_068605
UniProt:	P25874
Pathways:	Proton Transport, Brown Fat Cell Differentiation
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 307 AA
Restrictions:	For Research Use only
Handling	

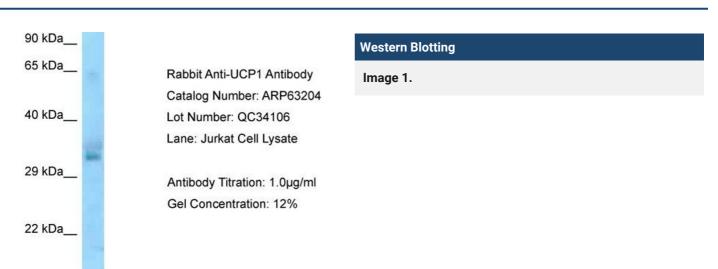
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

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#### Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.

#### Images



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