Datasheet for ABIN7159832

anti-UCP1 antibody (AA 1-307)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	UCP1
Binding Specificity:	AA 1-307
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Mitochondrial brown fat uncoupling protein 1 protein (1-307AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	UCP1
Alternative Name:	UCP1 (UCP1 Products)
Background:	Background: UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation from ATP synthesis.

Target Details

	As a result, energy is dissipated in the form of heat. Aliases: mitochondrial brown fat uncoupling protein antibody, Mitochondrial brown fat uncoupling protein 1 antibody, SLC25A7 antibody, Solute carrier family 25 member 7 antibody, Thermogenin antibody, UCP 1 antibody, UCP antibody, UCP1 antibody, UCP1_HUMAN antibody, uncoupling protein 1 (mitochondrial, proton carrier) antibody, Uncoupling protein 1 antibody
UniProt:	P25874
Pathways:	Proton Transport, Brown Fat Cell Differentiation

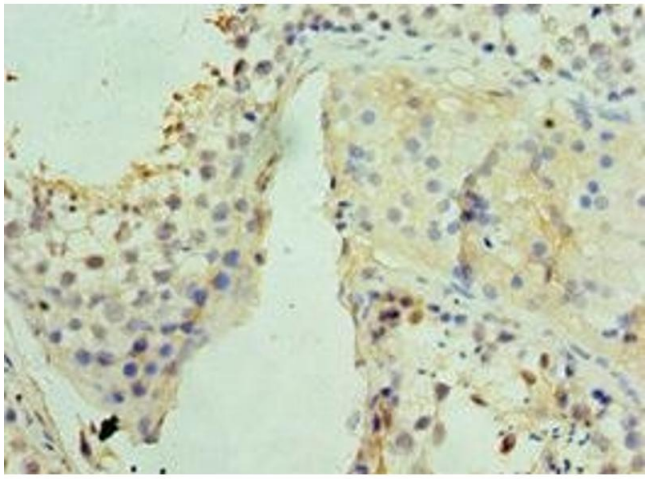
Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7159832 at dilution of 1:100

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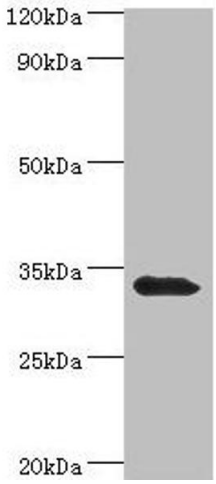

Western Blotting

Image 2. Western blot All lanes: Mitochondrial brown fat uncoupling protein 1 antibody at 2 µg/mL + Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 33 kDa Observed band size: 33 kDa