

Datasheet for ABIN7159833  
**anti-UCP1 antibody (AA 2-307)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	UCP1
Binding Specificity:	AA 2-307
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCP1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Mitochondrial brown fat uncoupling protein 1 protein (2-307AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	UCP1
Alternative Name:	UCP1 ( <a href="#">UCP1 Products</a> )
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: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

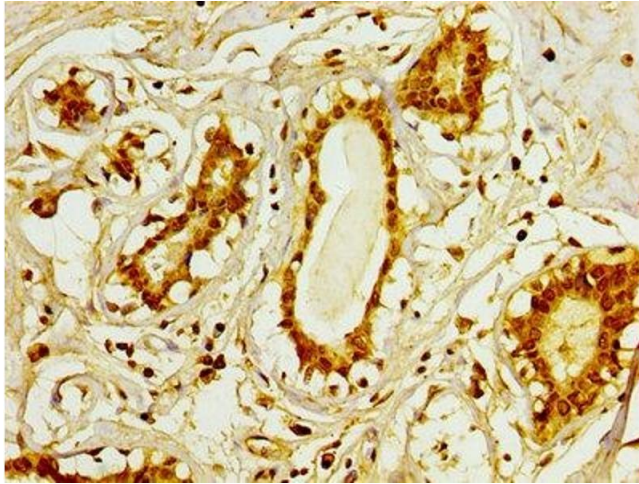
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

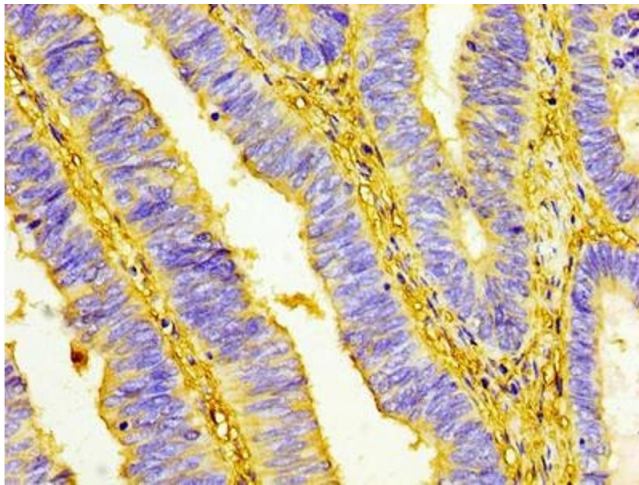
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7159833 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7159833 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.