

Anti-UCP 1/3 Rabbit Monoclonal Antibody

Introduction

UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation. As a result, energy is dissipated in the form of heat. May play a role in the modulation of tissue respiratory control. Participates in thermogenesis and energy balance (By similarity).

Product parameters

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|--------------------|---|
| Alternative Names | UCP1; UCP3 |
| Gene ID | 22227 |
| Gene Name | Ucp1/Ucp3 |
| SwissProt ID | P12242 |
| Host | Rabbit |
| Reactivity | Mouse, Rat |
| Molecular Weight | Calculated MW: 33 kDa; Observed MW: 33 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-14G4F5 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Free |
| Immunogen | A synthesized peptide derived from mouse UCP1+UCP3 |
| Purification | Affinity Chromatography |
| Buffer System | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application | WB, IP |
| Dilution Ratio | WB: 1/500-1/1000 IP: 1/50 |
| Research Field | Signal Transduction |
| Product Categories | Primary antibody |
| Shipping | Blue ice |

| | |
|-----------------|----------------------------------|
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |

Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.



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