



Mouse Monoclonal Antibody **UCP1** conjugated to Sepharose Beads

CatalogNo: **ANT8052-M**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

UCP1 (ANT0090R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species

- Rabbit
- Mouse,Rat,
- WB,IHC,IF,IP,ELISA

Reactivity

Applications

MW

- 33kD (Calculated)
 - IgG,Kappa
- 33kD (Observed)

Isotype

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal
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Clone Number	ANT0090R
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Endogenous

Target Information

Gene name UCP1 SLC25A7 UCP

Protein Name Mitochondrial brown fat uncoupling protein 1 (UCP 1) (Solute carrier family 25 member 7) (Thermogenin)

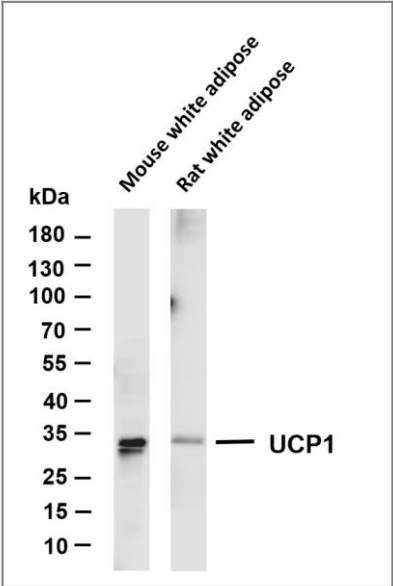
Organism	Gene ID	UniProt ID
Human	7350;	P25874;
Mouse		P12242;
Rat		P04633;

Cellular Localization Cytoplasm

Tissue specificity Brown adipose tissue.

Function Function: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.,polymorphism:The Thr-64 polymorphism is associated with an increased waist-to-hip ratio. The Leu-229 polymorphism is associated with susceptibility to type II diabetes mellitus.,similarity:Belongs to the mitochondrial carrier family.,similarity:Contains 3 Solcar repeats.,subunit:Acts as a dimer forming a proton channel.,tissue specificity:Brown adipose tissue.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-UCP1 (ANT0090R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse white adipose Lane 2: Rat white adipose Predicted band size: 33kDa Observed band size: 33kDa

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