

UCP1 (PT0090R) PT™ Rabbit mAb

CatalogNo: YM8052 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Mouse,Rat

Applications

- WB,IHC,IF,IP,ELISA

MW

- 33kD (Calculated)
- 33kD (Observed)

Isotype

- IgG,Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000**WB 1:1000-5000****IF 1:200-1000****ELISA 1:5000-20000****IP 1:50-200**

Basic Information

Clonality Monoclonal**Clone Number** PT0090R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** 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)

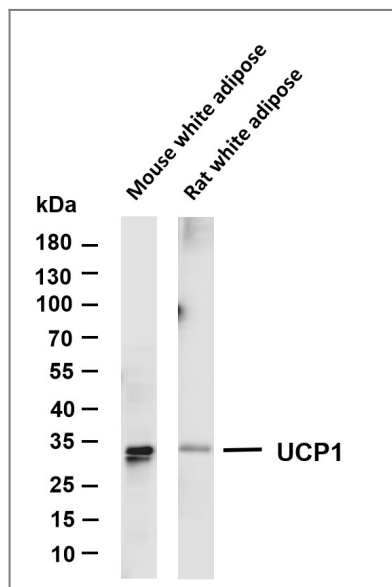
Organism	Gene ID	UniProt ID
Human	7350;	P25874;
Mouse		P12242;
Rat		P04633;

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 antibody. The HRP-conjugated 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

Contact information

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