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**Product Name: UCP1+UCP3 Rabbit Monoclonal Antibody****Catalog #: AMRe84028**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.68mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 33,34 kDa ; Observed MW: 34 kDa

**Antigen Information**

<b>Gene Name</b>	UCP1+UCP3
<b>Alternative Names</b>	UCP1; UCP3;;UCP1/3
<b>Gene ID</b>	
<b>SwissProt ID</b>	P12242/P56501(mouse)(human:P25874/P55916)
<b>Immunogen</b>	A synthesized peptide derived from mouse UCP1/3

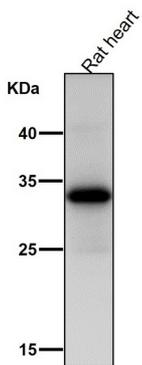
**Background**

Mitochondrial transporter that functions as a long-chain fatty acid/LCFA and proton symporter, simultaneously transporting one LCFA and one proton through the inner mitochondrial membrane. However, LCFAs remaining associated with the

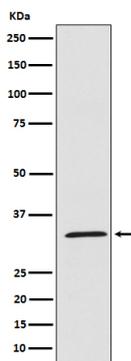
transporter via their hydrophobic tails, it results in an apparent transport of protons activated by LCFAs. Thereby, dissipates the mitochondrial proton gradient and converts the energy of substrate oxidation into heat instead of ATP.

## Research Area

## Image Data



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of UCP1+UCP3 expression in mouse skeletal muscle cell lysate.