

Anti-UCP1/3 Antibody (7M695)

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat
Conjugation:	Unconjugated
Clone:	7M695
Purification:	Affinity-chromatography

Applications

Verified Activity:	Western blot analysis of UCP1+UCP3 expression in mouse skeletal muscle cell lysate.
Application:	IP,WB
Recommended	IP: 1:20-1:50; WB: 1:1000-1:2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: mouse UCP1/3
Synonyms:	UCP1;UCP3;UCP 1/3

Research 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 oxydation into heat instead of ATP.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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