

UCP1 (YD20951) Rabbit mAb

货号: **AYD11572**

产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC-P IP
推荐浓度	
理论分子量	33kDa/33kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Mitochondrion inner membrane
纯化	

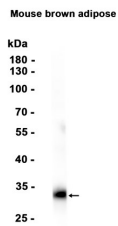
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靶点信息

研究背景	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 (PubMed:23063128). Responsible for thermogenic respiration, a specialized capacity of brown adipose tissue and beige fat that participates in non-shivering adaptive thermogenesis to temperature and diet variations and more generally to the regulation of energy balance (PubMed:19187776, PubMed:23063128, PubMed:27027295, PubMed:9139827). Regulates the production of reactive oxygen species/ROS by mitochondria (PubMed:20416274, PubMed:20466728) Mitochondrial protein responsible for thermogenic respiration, a specialized capacity of brown adipose tissue and beige fat that participates in non-shivering adaptive thermogenesis to temperature and diet variations and more generally to the regulation of energy balance (By similarity). 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 (PubMed:12479871, PubMed:16814247, PubMed:22952235). Thereby, dissipates the mitochondrial proton gradient and converts the energy of substrate oxidation into heat instead of ATP. Regulates the production of reactive oxygen species/ROS by mitochondria (By similarity)
基因ID	3134
基因名	Ucp1
Swiss	P12242, P04633
别名	UCP1 (YD20951)

产品验证



实验步骤

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