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# UCP2 Rabbit pAb

货号: **AYP11664**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Homo sapiens , Mus musculus <b>IF:</b> Mus musculus
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:1000
理论分子量	33kDa
实测分子量	32KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Raji,A-549,HT-29,RAW264.7,Mouse heart,Rat heart
细胞定位	Mitochondrion inner membrane,Multi-pass membrane protein
纯化	Affinity purification

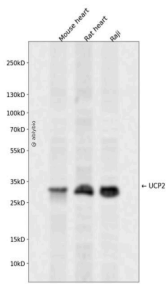
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 112-211 of human UCP2 (NP_003346.2).
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## 靶点信息

研究背景	Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H <sup>+</sup> /OH <sup>-</sup> are not known. UCPs contain the three homologous protein domains of MACPs. This gene is expressed in many tissues, with the greatest expression in skeletal muscle. It is thought to play a role in nonshivering thermogenesis, obesity and diabetes. Chromosomal order is 5'-UCP3-UCP2-3'.
基因ID	7351
基因名	UCP2
Swiss	P55851 ( <a href="https://www.uniprot.org/uniprotkb/P55851/entry">https://www.uniprot.org/uniprotkb/P55851/entry</a> )
别名	UCP2,BMIQ4,SLC25A8,UCPH,UCP2 Rabbit pAb,Mitochondrial uncoupling protein 2,Solute carrier family 25 member 8

## 产品验证



Western blot analysis of UCP2 expressed in Mouse heart,Rat heart,Raji using UCP2 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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