

UCP1 Rabbit pAb

货号: B11070

产品信息

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| 反应 | Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | WB: Mus musculus , Homo sapiens IHC: Mus musculus , Homo sapiens IF: Mus musculus , Homo sapiens ICC: Mus musculus,Homo sapiens |
| 应用 | WB IHC IF/ICC |
| 推荐浓度 | WB: 1:100 - 1:500 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200 |
| 理论分子量 | 33kDa |
| 实测分子量 | 30KDa |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | Mouse brown adipose tissue,Rat brown adipose tissue |
| 细胞定位 | Mitochondrion inner membrane,Multi-pass membrane protein |
| 纯化 | Affinity purification |

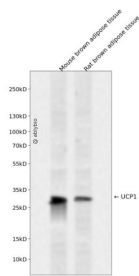
抗原信息

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| 抗原信息 | A synthetic peptide corresponding to a sequence within amino acids 100-200 of human UCP1 (NP_06860 5.1). |
| 序列 | QEFLTAGKETAPSLGSKILAGLTGGVAVFIGQPTEVVKVRLQAQSHLHGKIPRYTGTYNAYRIIATTEGLTGLWKGTTPNL MRSVIINCTELVTYDLMKE |

靶点信息

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| 研究背景 | Mitochondrial uncoupling proteins (UCP) are members of the 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 ⁺ /OH ⁻ are not known. UCPs contain the three homologous protein domains of MACPs. This gene is expressed only in brown adipose tissue, a specialized tissue which functions to produce heat. |
| 基因ID | 7350 |
| 基因名 | UCP1 |
| Swiss | P25874 |
| 别名 | UCP1;SLC25A7;UCP |

产品验证



Western blot analysis of UCP1 expressed in Mouse brown adipose tissue,Rat brown adipose tissue using UCP1 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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