

**产品名称: MOT4 Rabbit Polyclonal Antibody**  
**产品货号: APRab14039**



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | MOT4 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody      |
| 宿主 (Host)              | Rabbit                          |
| 应用 (Application)       | WB,IHC,ELISA                    |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                 |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| 基因名 (Gene Name)        | SLC16A3 MCT4                                                              |
| 别名 (Alternative Names) | Monocarboxylate transporter 4 (MCT 4) (Solute carrier family 16 member 3) |
| 基因 ID (Gene ID)        | 9123.0                                                                    |
| 蛋白 ID (SwissProt ID)   | O15427.Synthesized peptide derived from human MOT4 Polyclonal             |

## 产品应用 (Application)

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 50kDa                                               |

## 研究背景 (Background)

Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked

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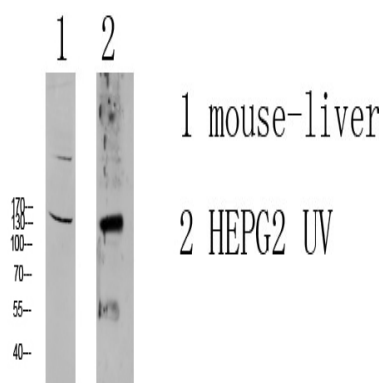


monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains (Price et al., 1998 [PubMed 9425115]).[supplied by OMIM, Mar 2008],function:Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate.,similarity:Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.,tissue specificity:Highly expressed in skeletal muscle.,

### 研究领域 (Research Area)

Metabolism; Pathways and Processes; Metabolic signaling pathways; Carbohydrate metabolism; Signal Transduction; Plasma Membrane; Channels; Cancer; Cancer Metabolism

### 图片 (Image Data)



Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

### 注意事项 (Note)

For research use only .