

产品名称: MCT4 Rabbit Polyclonal Antibody
产品货号: APRab13742



产品概述 (Summary)

产品名称 (Production Name)	MCT4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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
别名 (Alternative Names)	SLC16A3; MCT4; Monocarboxylate transporter 4; MCT 4; Solute carrier family 16 member 3
基因 ID (Gene ID)	9123.0
蛋白 ID (SwissProt ID)	O15427.The antiserum was produced against synthesized peptide derived from human MOT4. AA range:233-282

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	49kDa

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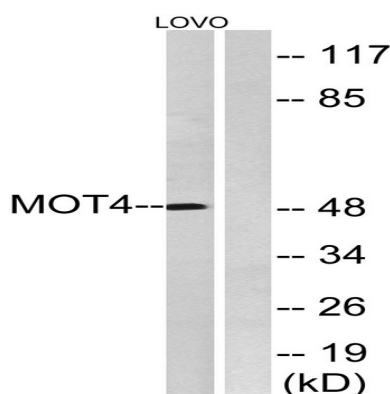
研究背景 (Background)

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

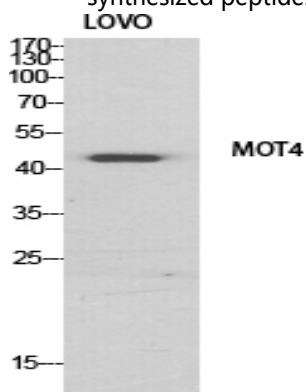
研究领域 (Research Area)

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

图片 (Image Data)

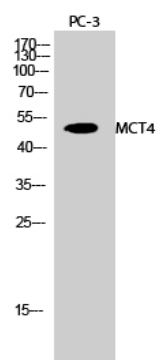


Western blot analysis of lysates from LOVO cells, using MOT4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MCT4 Polyclonal Antibody diluted at 1: 500

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Western Blot analysis of PC-3 cells using MCT4 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .