

产品名称: PDK1 Mouse Monoclonal Antibody
产品货号: AMM80939



产品概述 (Summary)

产品名称 (Production Name)	PDK1 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human,Rat,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
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)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PDK1
别名 (Alternative Names)	PDK1
基因 ID (Gene ID)	5163.0
蛋白 ID (SwissProt ID)	Q15118.Purified recombinant fragment of human PDK1 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	44kDa

研究背景 (Background)

Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of

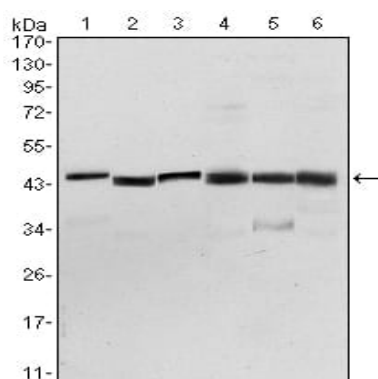
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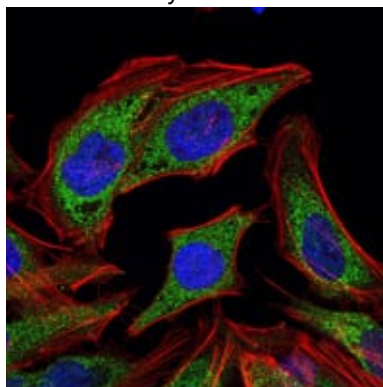
pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. (provided by RefSeq). Tissue specificity: Expressed predominantly in the heart.

研究领域 (Research Area)

图片 (Image Data)

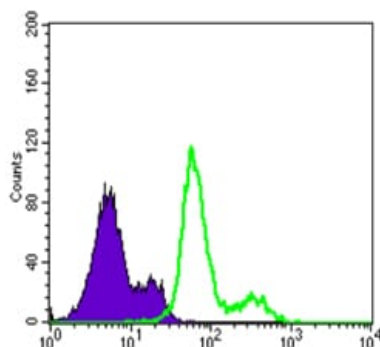


Western blot analysis using PDK1 mouse mAb against NIH/3T3 (1), Hela (2), Jurkat (3), HepG2 (4), PC-12 (5), and Cos7 (6) cell lysate.

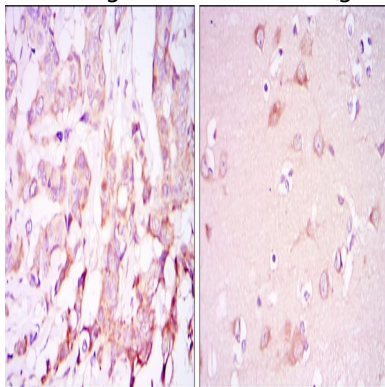


Immunofluorescence analysis of HELA cells using PDK1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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Flow cytometric analysis of Lovo cells using PDK1 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (left) and brain tissues (right) using PDK1 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .