

产品名称: PDK1 (9S9) Rabbit Monoclonal Antibody
产品货号: AMRe15915



产品概述 (Summary)

产品名称 (Production Name)	PDK1 (9S9) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
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)	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)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PDK1 Mitochondrial pyruvate dehydrogenase kinase isoenzyme 1; PDH kinase 1;
别名 (Alternative Names)	Pdk1; Pyruvate dehydrogenase kinase isoform 1; Pyruvate dehydrogenase kinase, isoenzyme 1;
基因 ID (Gene ID)	5163.0
蛋白 ID (SwissProt ID)	Q15118.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IP 1:10-1:100
蛋白分子量 (Molecular Weight)	49kDa

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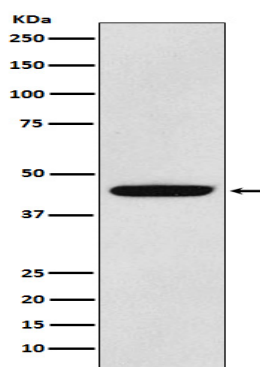
研究背景 (Background)

Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism. Kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.

研究领域 (Research Area)

T_Cell_Receptor;Fc epsilon RI;Neurotrophin;

图片 (Image Data)



Western blot analysis of PDK1 expression in LNCaP cell lysate.

注意事项 (Note)

For research use only .