产品名称：PDPK1 Mouse Monoclonal Antibody
产品货号：AMM81490

产品概述（Summary）

产品名称（Production Name）	PDPK1 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,Mouse,Monkey,Rat

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）	PDPK1
别名（Alternative Names）	PDK1; PDPK2; PDPK2P; PRO0461
基因 ID（Gene ID）	5170.0
蛋白 ID（SwissProt ID）	O15530.Purified recombinant fragment of human PDPK1 (AA: 457-556) 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 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量（Molecular Weight）	63.2kDa

研究背景（Background）

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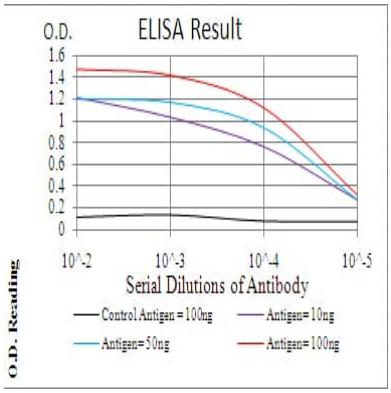
Phosphoinositide-dependent kinase 1 (PDPK1, PDK1) is a serine/threonine protein kinase integral to the function of the PI 3-K/Akt signaling pathway. PDK1 and mTORC2 both phosphorylate and activate PKB/Akt, ensuring a cellular response to stimuli such as growth factors and insulin signaling. Akt is the main effector of PDK1.

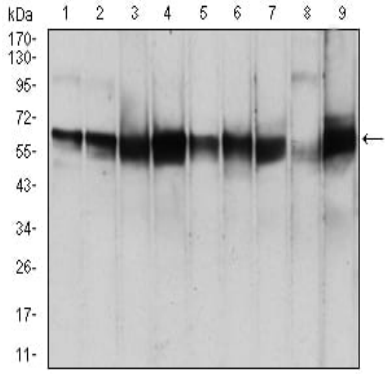
研究领域（Research Area）

PI3K-Akt signaling pathway,mTOR signaling pathway

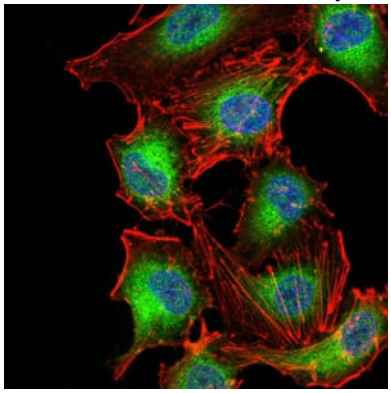
图片（Image Data）



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using PDPK1 mouse mAb against MCF-7 (1), Hela (2), K562 (3), U937 (4), A549 (5), NIH/3T3 (6), Jurkat (7), PC-12 (8), and Cos7 (9) cell lysate.



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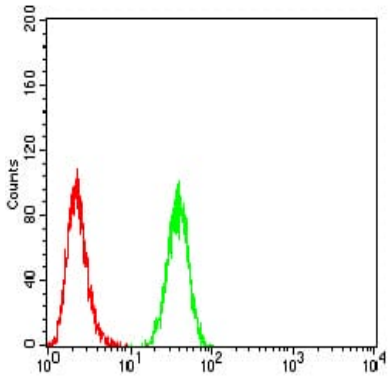
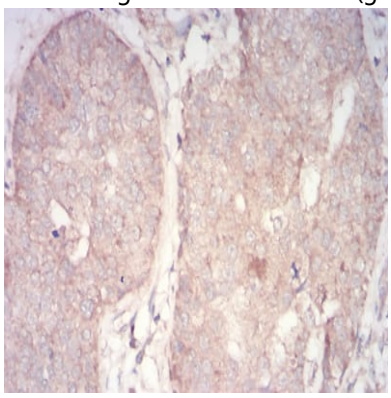
Immunofluorescence analysis of A549 cells using PDPK1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of A549 cells using PDPK1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using PDPK1 mouse mAb with DAB staining.

注意事项（Note）

For research use only .