

产品名称: PRK2 Mouse Monoclonal Antibody
产品货号: AMM81025



产品概述 (Summary)

产品名称 (Production Name)	PRK2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,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)	PRK2
别名 (Alternative Names)	PKN2; PAK2; PRK2; Pak-2; PRKCL2; PRO2042; MGC71074; MGC150606
基因 ID (Gene ID)	5586.0
蛋白 ID (SwissProt ID)	Q16513.Purified recombinant fragment of human PRK2 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	140kDa

研究背景 (Background)

Protein-kinase-C-related kinases (PRKs) are part of the lipid-regulated protein kinases (PKC) which also include liver PAK & PKN. Human PRK1 and PRK2 share structurally similar catalytic domains, but less similar N-terminal regulatory regions

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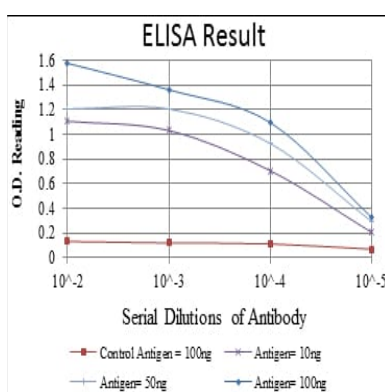


suggesting different regulatory domain functions. PRK1 and PRK2, as well as a third member of this family, PRK3, show distinct patterns of expression in adult tissues. Additionally, the serine-threonine kinase PRK2 can be specifically cleaved by caspase-3 (and/or caspase-3-like subfamily members) during apoptosis.

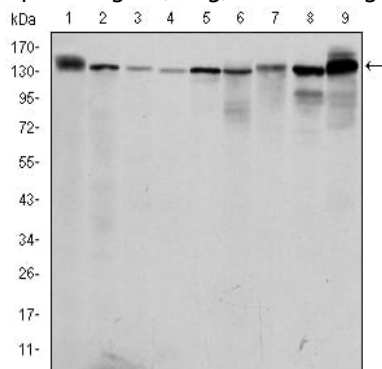
研究领域 (Research Area)

Apoptosis, PI3K-Akt signaling pathway

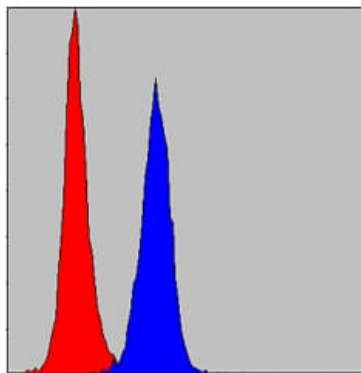
图片 (Image Data)



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



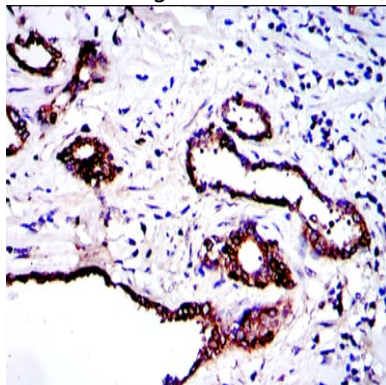
Western blot analysis using PRK2 mouse mAb against PC-12 (1), Cos7 (2), K562 (3), Jurkat (4), Hela (5), A431 (6), C6 (7), NIH/3T3 (8) and HEK293 (9) cell lysate.



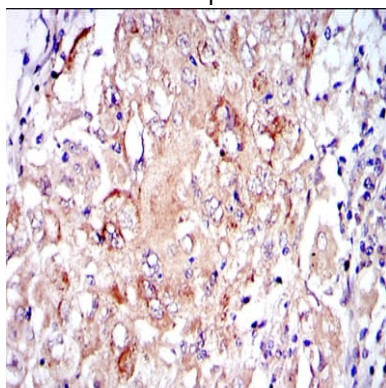
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Flow cytometric analysis of NIH/3T3 cells using PRK2 mouse mAb (blue) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human prostate tissues using PRK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using PRK2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .