

产品名称: PRKDC Mouse Monoclonal Antibody
产品货号: AMM80953



产品概述 (Summary)

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

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)	PBS containing 0.03% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PRKDC
别名 (Alternative Names)	HYRC; p350; DNAPK; DNP1; HYRC1; XRCC7; DNA-PKcs; PRKDC
基因 ID (Gene ID)	5591.0
蛋白 ID (SwissProt ID)	P78527. Purified recombinant fragment of human PRKDC expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	46.9kDa

研究背景 (Background)

The PRKDC gene encodes the catalytic subunit of a nuclear DNA-dependent serine/threonine protein kinase (DNA-PK). The second component is the autoimmune antigen Ku (MIM 152690), which is encoded by the G22P1 gene on chromosome

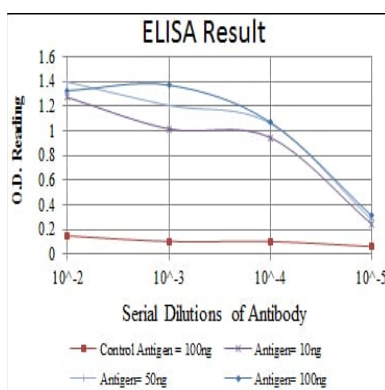
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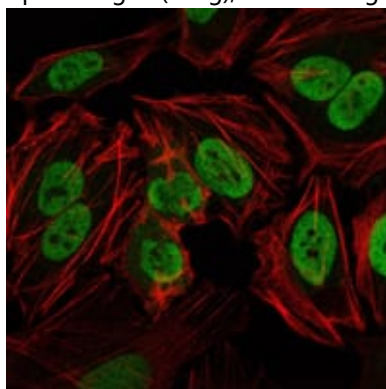
22q. On its own, the catalytic subunit of DNA-PK is inactive and relies on the G22P1 component to direct it to the DNA and trigger its kinase activity; PRKDC must be bound to DNA to express its catalytic properties.

研究领域 (Research Area)

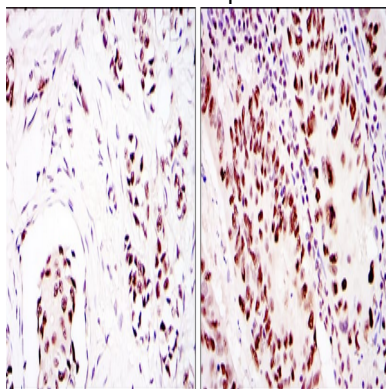
图片 (Image Data)



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



Immunofluorescence analysis of HeLa cells using PRKDC mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

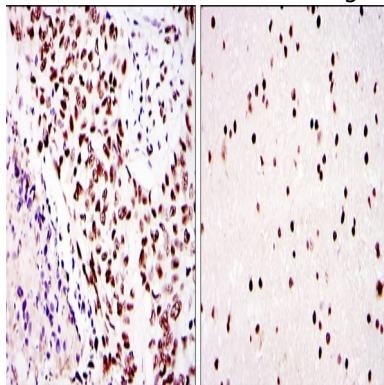


Immunohistochemical analysis of paraffin-embedded human breast cancer (left) and colon cancer (right) using PRKDC

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mouse mAb with DAB staining.



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

注意事项 (Note)

For research use only .