

产品名称: RFA2 Mouse Monoclonal Antibody
产品货号: AMM82939



产品概述 (Summary)

产品名称 (Production Name)	RFA2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,FC
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)	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)	RFA2
别名 (Alternative Names)	RP-A p34, RPA2, REPA2, RPA32, RPA34
基因 ID (Gene ID)	6118.0
蛋白 ID (SwissProt ID)	P15927.Purified recombinant fragment of human RFA2 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	29kDa

研究背景 (Background)

This gene encodes a subunit of the heterotrimeric Replication Protein A (RPA) complex, which binds to single-stranded DNA (ssDNA), forming a nucleoprotein complex that plays an important role in DNA metabolism, being involved in DNA

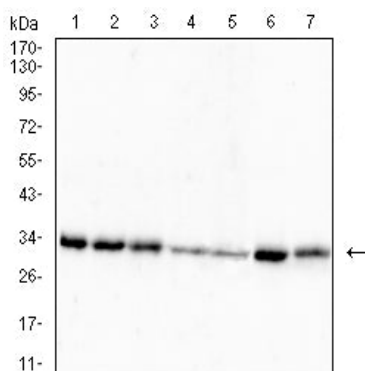
产品名称: RFA2 Mouse Monoclonal Antibody
产品货号: AMM82939



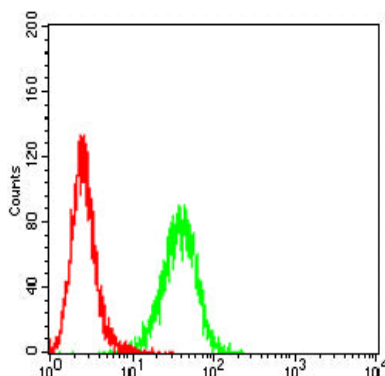
replication, repair, recombination, telomere maintenance, and co-ordinating the cellular response to DNA damage through activation of the ataxia telangiectasia and Rad3-related protein (ATR) kinase. The RPA complex protects single-stranded DNA from nucleases, prevents formation of secondary structures that would interfere with repair, and co-ordinates the recruitment and departure of different genome maintenance factors. The heterotrimeric complex has two different modes of ssDNA binding, a low-affinity and high-affinity mode, determined by which oligonucleotide/oligosaccharide-binding (OB) domains of the complex are utilized, and differing in the length of DNA bound. This subunit contains a single OB domain that participates in high-affinity DNA binding and also contains a winged helix domain at its carboxy terminus, which interacts with many genome maintenance protein. Post-translational modifications of the RPA complex also plays a role in co-ordinating different damage response pathways.

研究领域 (Research Area)

图片 (Image Data)

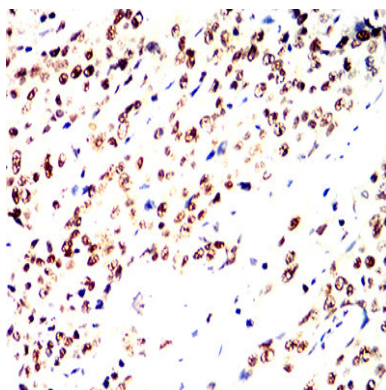


Western blot analysis using RFA2 mouse mAb against Hela (1), MCF-7 (2), T47D (3), Ramos (4), HEK293 (5), HepG2 (6) and A431 (7) cell lysate.

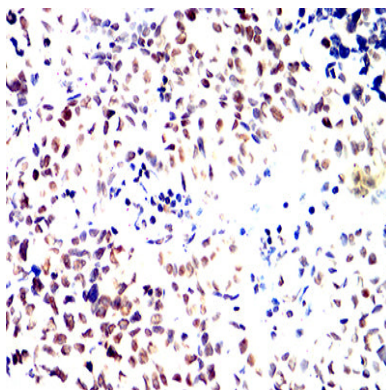


Flow cytometric analysis of Hela cells using RFA2 mouse mAb (green) and negative control (red).

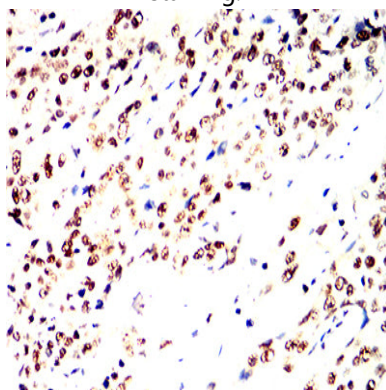
产品名称: RFA2 Mouse Monoclonal Antibody
产品货号: AMM82939



Immunohistochemical analysis of paraffin-embedded human liver tissues using RFA2 mouse mAb with DAB staining.

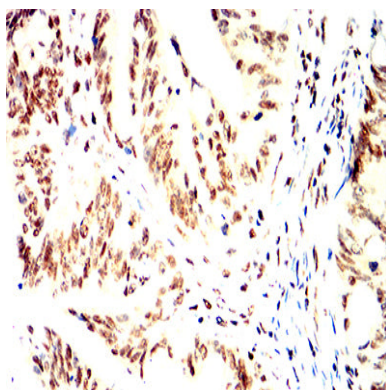


Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using RFA2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using RFA2 mouse mAb with DAB staining.

产品名称: RFA2 Mouse Monoclonal Antibody
产品货号: AMM82939



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using RFA2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .