

产品名称: SMC1A Mouse Monoclonal Antibody
产品货号: AMM00962



产品概述 (Summary)

产品名称 (Production Name)	SMC1A Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB, ICC/IF
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)	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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SMC1A Chromosome segregation protein SmcB; DXS423E; KIAA0178; MGC138332; Sb1.8; Segregation of mitotic chromosomes 1; SMC protein 1A; SMC-1-alpha; SMC-1A; SMC1 (structural maintenance of chromosomes 1 yeast) like 1; SMC1; SMC1 structural maintenance of chromosomes 1 like 1; SMC1A; SMC1A_HUMAN; SMC1alpha; SMC1L1; SMCB; Structural maintenance of chromosomes 1A; Structural maintenance of chromosomes protein 1A.
别名 (Alternative Names)	
基因 ID (Gene ID)	8243
蛋白 ID (SwissProt ID)	Q14683.

产品应用 (Application)

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稀释比 (Dilution Ratio)

WB 1:500-1:1000, ICC/IF 1:50-1:200

蛋白分子量 (Molecular Weight)

Calculated MW: 143 kDa; Observed MW: 143 kDa

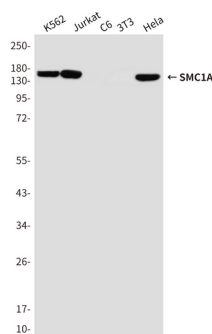
研究背景 (Background)

Structural maintenance of chromosomes 1 (SMC1) protein is a chromosomal protein member of the cohesin complex that enables sister chromatid cohesion and plays a role in DNA repair. ATM/NBS1-dependent phosphorylation of SMC1 occurs at Ser957 and Ser966 in response to ionizing radiation (IR) as part of the intra-S-phase DNA damage checkpoint. SMC1 phosphorylation is ATM-independent in cells subjected to other forms of DNA damage, including UV light and hydroxyurea treatment.

研究领域 (Research Area)

Cell Biology

图片 (Image Data)



Western blot analysis of SMC1A(Cterm) in K562, Jurkat, C6, 3T3 and Hela lysates using SMC1A (Nterminus) antibody.

注意事项 (Note)

For research use only.