

产品名称: MCM3 Mouse Monoclonal Antibody
产品货号: AMM82938



产品概述 (Summary)

产品名称 (Production Name)	MCM3 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,FC
种属反应性 (Reactivity)	Human,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)	MCM3
别名 (Alternative Names)	HCC5; P1.h; RLFB; P1-MCM3
基因 ID (Gene ID)	4172.0
蛋白 ID (SwissProt ID)	P25205.Purified recombinant fragment of human MCM3 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,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	91kDa

研究背景 (Background)

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a

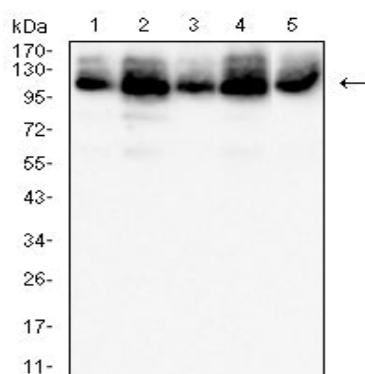
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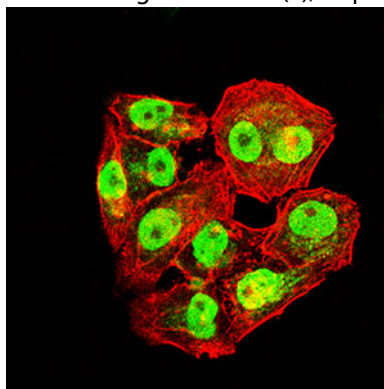
key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Several transcript variants encoding different isoforms have been found for this gene.

研究领域 (Research Area)

图片 (Image Data)

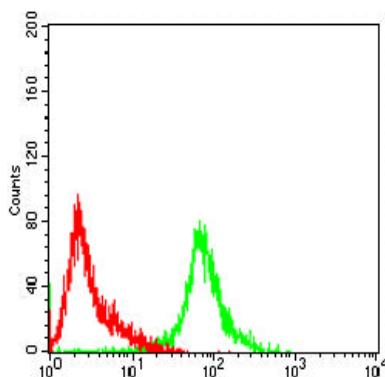


Western blot analysis using MCM3 mouse mAb against PC-12 (1), HepG2 (2), HeLa (3) and COS7 (4) cell lysate.

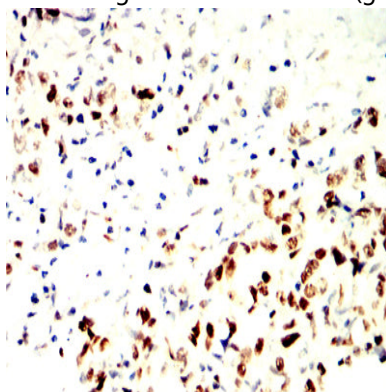


Immunofluorescence analysis of HeLa cells using MCM3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

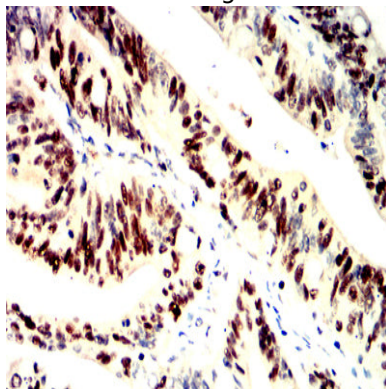
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Flow cytometric analysis of Hela cells using MCM3 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using MCM3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using MCM3 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .