

产品名称: MSH2 Mouse Monoclonal Antibody
产品货号: AMM80515



产品概述 (Summary)

产品名称 (Production Name)	MSH2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA
种属反应性 (Reactivity)	Human,Mouse

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)	MSH2
别名 (Alternative Names)	FCC1; COCA1; HNPCC; LCFS2
基因 ID (Gene ID)	4436.0
蛋白 ID (SwissProt ID)	P43246.Purified recombinant fragment of human MSH2 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ICC 1:50-1:500,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	105kDa

研究背景 (Background)

MSH2 is a 100 kDa nuclear antigen and encodes a protein of 934 amino acids. The MSH2 gene is one of 4 known genes encoding proteins involved in the repair of mismatch nucleotides following DNA replication or repair. Mutations in

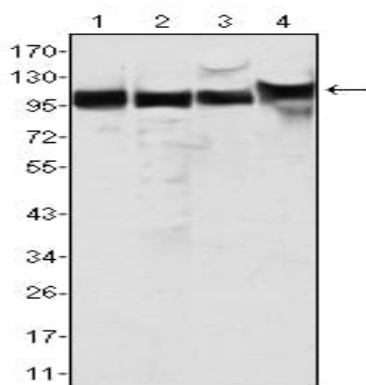
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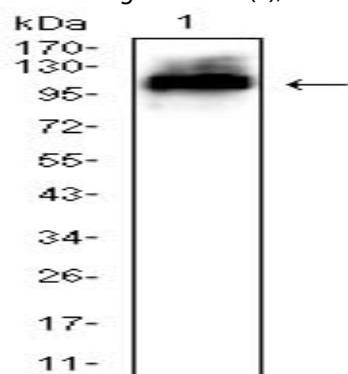
the MSH2 gene contribute to the development of sporadic colorectal carcinoma. MSHS mutations are responsible for 50% of inherited non-polyposis colorectal (HNPCC). The repair of mismatch DNA is essential to maintaining the integrity of genetic information over time. An alteration of microsatellite repeats is the result of slippage owing to strand misalignment during DNA replication and is referred to as microsatellite instability (MSI). These defects in DNA repair pathways have been related to human carcinogenesis. MSH-2 is involved in the initial cognition of mismatch nucleotides during the replication mismatch repair process.

研究领域 (Research Area)

图片 (Image Data)

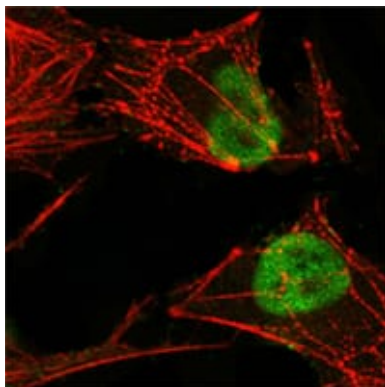


Western blot analysis using MSH2 mouse mAb against Hela (1), A549 (2), A431 (3) and HEK293 (4) cell lysate.

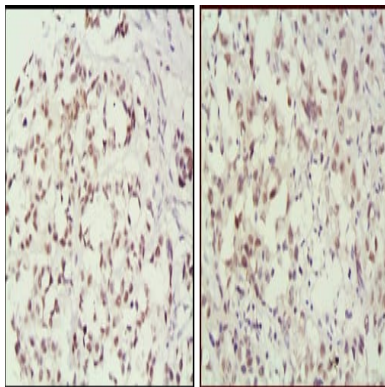


Western blot analysis using MSH2 mouse mAb against C2C12 cell lysate.

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Confocal Immunofluorescence analysis of HeLa cells using MSH2 mouse mAb (green), showing nuclear localization. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human breast cancer (left) and lung cancer (right) tissues, showing nuclear localization using MSH2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .