

产品名称: ATM Mouse Monoclonal Antibody
产品货号: AMM82984



产品概述 (Summary)

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

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2b
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)	ATM
别名 (Alternative Names)	AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1
基因 ID (Gene ID)	472.0
蛋白 ID (SwissProt ID)	Q13315. Purified recombinant fragment of human ATM (AA: 2577-3056) 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, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	350.7kDa

研究背景 (Background)

The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint

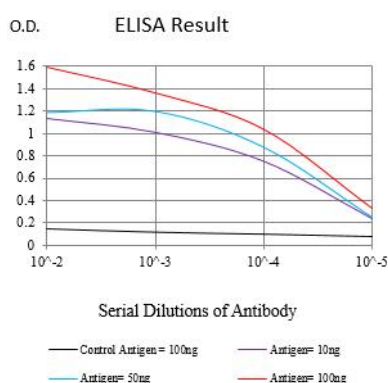
产品名称: ATM Mouse Monoclonal Antibody
产品货号: AMM82984



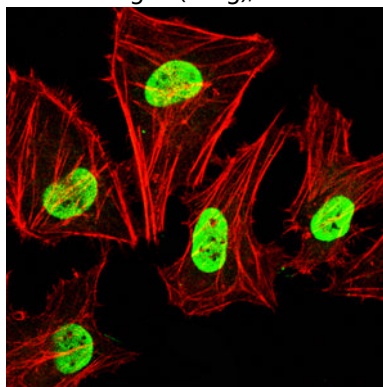
kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability. Mutations in this gene are associated with ataxia telangiectasia, an autosomal recessive disorder.

研究领域 (Research Area)

图片 (Image Data)

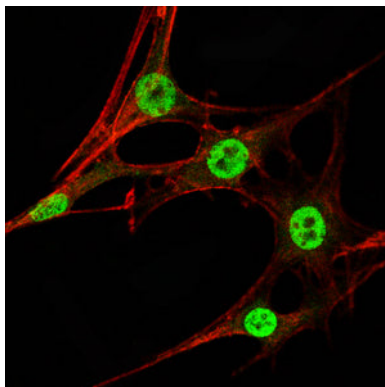


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

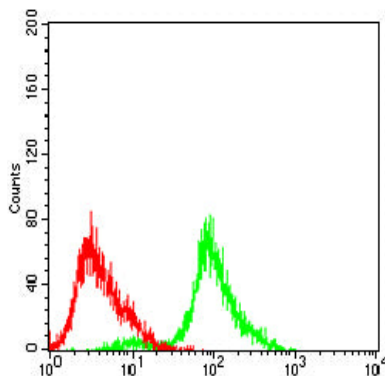


Immunofluorescence analysis of HeLa cells using ATM mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

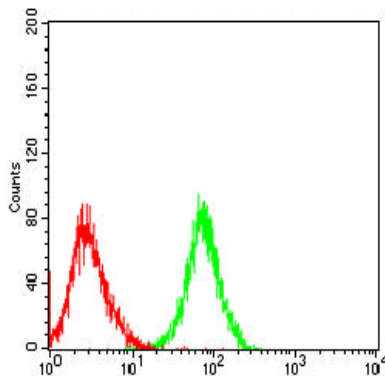
产品名称: ATM Mouse Monoclonal Antibody
产品货号: AMM82984



Immunofluorescence analysis of NIH/3T3 cells using ATM 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)

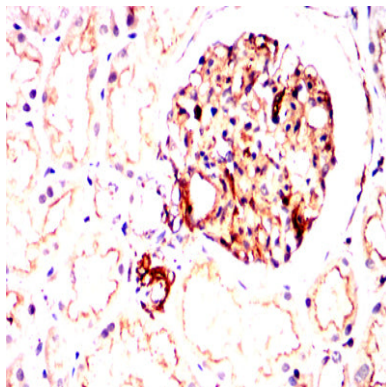


Flow cytometric analysis of HeLa cells using ATM mouse mAb (green) and negative control (red).

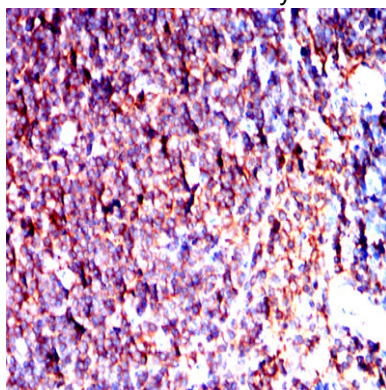


Flow cytometric analysis of COS-7 cells using ATM mouse mAb (green) and negative control (red).

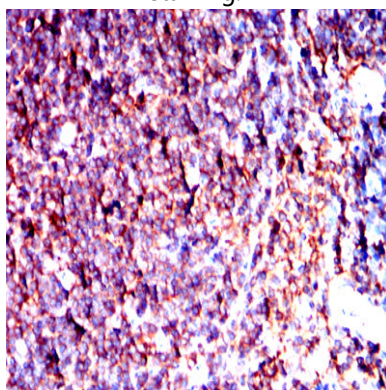
产品名称: ATM Mouse Monoclonal Antibody
产品货号: AMM82984



Immunohistochemical analysis of paraffin-embedded human kidney tissues using ATM mouse mAb with DAB staining.

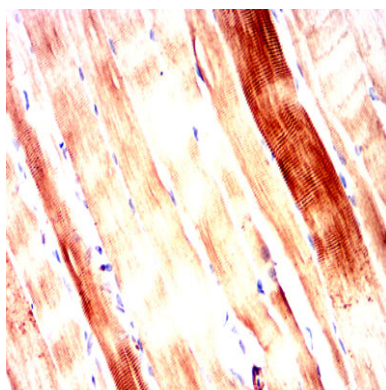


Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues using ATM mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse spleen tissues using ATM mouse mAb with DAB staining.

产品名称: ATM Mouse Monoclonal Antibody
产品货号: AMM82984



Immunohistochemical analysis of paraffin-embedded Rat myocardium tissues using ATM mouse mAb with DAB staining.

注意事项 (Note)

For research use only .