

产品名称: ATM Rabbit Monoclonal Antibody  
产品货号: AMRe85170



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | ATM Rabbit Monoclonal Antibody         |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB, ICC                                |
| 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)       | IgG                                                                                          |
| 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 TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol. |
| 纯化方式 (Purification) | Affinity Purification                                                                        |

## 免疫原信息 (Immunogen)

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| 基因名 (Gene Name)        | ATM                                                                        |
| 别名 (Alternative Names) | ATM; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated |
| 基因 ID (Gene ID)        | 472.0                                                                      |
| 蛋白 ID (SwissProt ID)   | Q13315.A synthetic peptide of human ATM                                    |

## 产品应用 (Application)

|                          |                                              |
|--------------------------|----------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000, ICC 1:50-1:200              |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 351 kDa; Observed MW: 351 kDa |

## 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

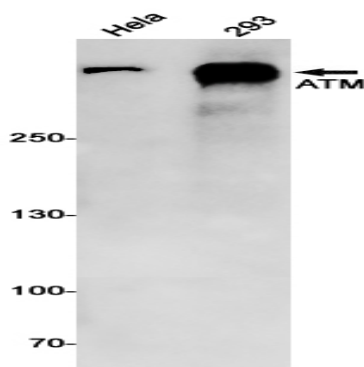
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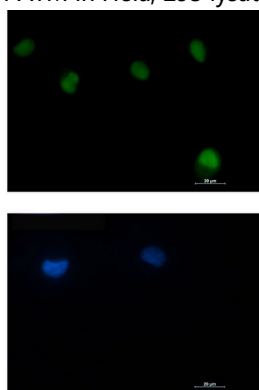
kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought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

## 研究领域 (Research Area)

## 图片 (Image Data)



Western blot analysis of ATM in HeLa, 293 lysates using ATM antibody.



Immunocytochemistry analysis of ATM (green) in HT-1080 using ATM antibody, and DAPI (blue).

## 注意事项 (Note)

For research use only .