

**产品名称: MCM2 Rabbit Monoclonal Antibody**  
**产品货号: AMRe03078**



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | MCM2 Rabbit Monoclonal Antibody        |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IHC,ICC/IF,IP                       |
| 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)       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| 纯化方式 (Purification) | Affinity Purification                                                                                |

## 免疫原信息 (Immunogen)

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | MCM2<br>MCM2; BM28; CCNL1; CDCL1; KIAA0030; DNA replication licensing factor |
| 别名 (Alternative Names) | MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28     |
| 基因 ID (Gene ID)        | 4171                                                                         |
| 蛋白 ID (SwissProt ID)   | P49736.                                                                      |

## 产品应用 (Application)

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50 |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 102 kDa; Observed MW: 125 kDa                  |

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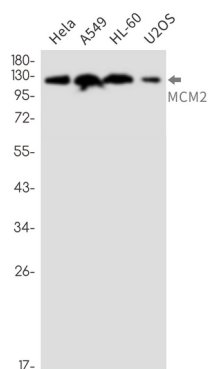
## 研究背景 (Background)

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 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 forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Oct 2012]

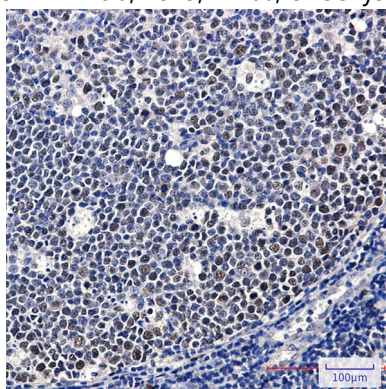
## 研究领域 (Research Area)

Epigenetics and Nuclear Signaling

## 图片 (Image Data)

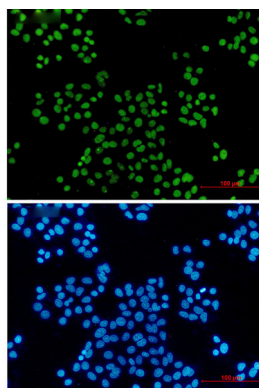


Western blot analysis of MCM2 in HeLa, A549, HL-60, U2OS lysates using MCM2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using MCM2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Immunocytochemistry analysis of MCM2 (green) in hela using MCM2 antibody, and DAPI (blue)

### 注意事项 (Note)

For research use only .