

**产品名称:** Chk2 Rabbit Monoclonal Antibody

**产品货号:** AMRe21367

### 产品概述 (Summary)

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| 描述(Description)   | Recombinant rabbit monoclonal antibody                                                   |
| 宿主(Host)          | Rabbit                                                                                   |
| 应用(Application)   | WB,IHC,IF,IP,ELISA                                                                       |
| 种属反应(Reactivity)  | Human,Mouse                                                                              |
| 偶联物(Conjugation)  | Unconjugated                                                                             |
| 修饰(Modification)  | Unmodified                                                                               |
| 同种型(Isotype)      | IgG,Kappa                                                                                |
| 克隆(Clonality)     | Monoclonal                                                                               |
| 剂型(Form)          | Liquid                                                                                   |
| 保存条件(Storage)     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液(Buffer)      | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein                            |
| 纯化 (Purification) | Protein A                                                                                |

### 产品应用(Application)

|                       |                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------|
| 稀释比(Dilution Ratio)   | IHC 1:1000-1:4000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200; |
| 分子量(Molecular Weight) | Calculated MW:61kD;Observed MW:61kD                                                     |

### 抗原信息(Antigen Information)

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 基因名(Gene Name)        | CHEK2                                                                                                                            |
| 别名(Alternative Names) | CHEK2;CDS1;CHK2;RAD53;Serine/threonine-protein kinase Chk2;CHK2 checkpoint homolog;Cds1 homolog;Hucds1;hCds1;Checkpoint kinase 2 |
| 基因 ID(Gene ID)        | 11200                                                                                                                            |
| SwissProt ID          | O96017                                                                                                                           |
| 免疫原(Immunogen)        | A synthetic peptide corresponding to target protein                                                                              |

### 研究背景 (Background)

Cell localization:Nucleus.In response to DNA damage and replication blocks, cell cycle progression is halted through the control of critical cell cycle regulators. The protein encoded by this gene is a cell cycle checkpoint regulator and putative tumor suppressor. It contains a forkhead-associated protein interaction domain essential for activation in response to DNA damage

and is rapidly phosphorylated in response to replication blocks and DNA damage. When activated, the encoded protein is known to inhibit CDC25C phosphatase, preventing entry into mitosis, and has been shown to stabilize the tumor suppressor protein p53, leading to cell cycle arrest in G1. In addition, this protein interacts with and phosphorylates BRCA1, allowing BRCA1 to restore survival after DNA damage. Mutations in this gene have been linked with Li-Fraumeni syndrome, a highly penetrant familial cancer phenotype usually associated with inherited mutati

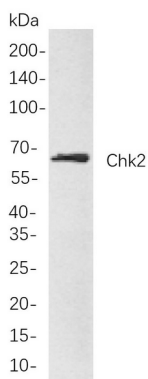
### 研究领域 (Research Area)

Epigenetics and Nuclear Signaling; Cancer

### 注意事项 (Note)

For research use only.

### 图片 (Image Data)



Western blot analysis of lysates from MDA-MB-231 cells, using Chk2 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

## EnkiLife 优势产品推荐

| 产品类别                        | 产品货号     | 产品名称                                               |
|-----------------------------|----------|----------------------------------------------------|
| WB 解决方案                     | RA10020  | 2h 极速 WB 即用型全流程试剂盒                                 |
|                             | RA10021  | 4h 快速 WB 即用型全流程试剂盒                                 |
|                             | RA10042  | 5h 畅享版 WB 全流程试剂盒                                   |
|                             | RA10037  | 校准级彩色预染蛋白 Marker (8-180kDa)                        |
|                             | RA10038  | 校准级彩色预染蛋白 Marker (10-250kDa)                       |
|                             | RA10039  | 校准级高分子彩色预染蛋白 Marker (25-400kDa)                    |
| TSA 多重荧光染色试剂盒               | RA10008  | TSA 双标三色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10009  | TSA 三标四色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10010  | TSA 四标五色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10011  | TSA 五标六色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10012  | TSA 六标七色多重荧光染色试剂盒 (mIHC)                           |
| IHC 检测试剂盒                   | RA10006  | HRP Anti-Mouse/Rabbit IHC Detection System         |
|                             | RA10007  | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒                     | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒                                |
|                             | RE80002q | Sulfo-NHS-生物素标记试剂盒                                 |
|                             | RE80007p | Cy3 荧光素标记试剂盒                                       |
|                             | RE80011p | Fluor488 荧光素标记试剂盒                                  |
|                             | RE80017p | Fluor750 荧光素标记试剂盒                                  |
|                             | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒                               |
|                             | RE80040  | PE-Cy7 串联染料抗体快速标记试剂盒                               |
| 稳转细胞系构建服务<br>(免费赠送全膜 WB 验证) | TS-0001  | 过表达稳转细胞系构建                                         |
|                             | TS-0002  | 敲低稳转细胞系构建                                          |
|                             | TS-0003  | 敲除细胞系构建                                            |

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