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# Chk2 (Phospho-Thr383) Antibody

货号: **AYP4132**

## 产品信息

|       |   |
|-------|---|
| 反应    | Human,Mouse,Rat   |
| 宿主    | Rabbit  |
| 克隆性   | Polyclonal  |
| 预测反应  |   |
| 应用    | WB IF/ICC ELISA   |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000<br><b>IF/ICC:</b> 1:50 - 1:200                                      |
| 理论分子量 | 15-38kDa/50-65kDa   |
| 实测分子量 |   |
| 形式    | Liquid  |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3. |
| 偶联物   | Unconjugated  |
| 阳性对照  | Jurkat,Mouse liver,Rat thymus   |
| 细胞定位  | Nucleus,Nucleus,PML body,nucleoplasm  |
| 纯化    | Affinity purification   |

## 抗原信息

|      |   |
|------|---|
| 抗原信息 | Synthesized peptide derived from Human Chk2 (Phospho-Thr383). |
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## 靶点信息

|       |   |
|-------|---|
| 研究背景  | 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 mutations in TP53. Also, mutations in this gene are thought to confer a predisposition to sarcomas, breast cancer, and brain tumors. This nuclear protein is a member of the CDS1 subfamily of serine/threonine protein kinases. Several transcript variants encoding different isoforms have been found for this gene. |
| 基因ID  | 11200   |
| 基因名   | CHEK2   |
| Swiss | O96017 ( <a href="https://www.uniprot.org/uniprotkb/O96017/entry">https://www.uniprot.org/uniprotkb/O96017/entry</a> )  |
| 别名    | CDS1,CHK2,HuCds1,LFS2,PP1425,RAD53,hCds1,CHEK2,Chk2 (Phospho-Thr383) Antibody,CHK2 checkpoint homolog,Cds1 homolog,Checkpoint kinase 2,Chk2 (Phospho-Thr383)  |

## 产品验证

## 实验步骤

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