

Product Name: Chk2 Rabbit Monoclonal Antibody**Catalog #: AMRe21367**

For research use only.

Summary

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|----------------------|---|
| Description | Recombinant rabbit monoclonal antibody |
| Host | Rabbit |
| Application | WB,IHC,ICC/IF,ELISA,IP |
| Reactivity | Human,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG,Kappa |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 0.3mg/ml. The concentration of this product may be batch-dependent. |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein |
| Purification | Protein A |

Application

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|-------------------------|--|
| Dilution Ratio | WB 1:2000-1:10000,IHC 1:1000-1:4000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200 |
| Molecular Weight | Calculated MW:61kD;Observed MW:61kD |

Antigen Information

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

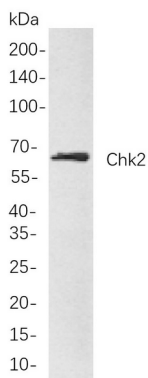
Background

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

Research Area

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.