

Recombinant Chk1 Monoclonal Antibody

catalog number: **AN300790L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

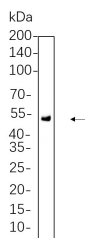
Description

| | |
|---------------------|---|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Recombinant Human Chk1 protein |
| Host | Rabbit |
| Isotype | IgG, κ |
| Clone | 5D15 |
| Purification | Protein A |
| Buffer | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

Applications Recommended Dilution

| | |
|-----------|----------------|
| WB | 1:2000-1:10000 |
|-----------|----------------|

Data



Western Blot with Recombinant Chk1 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: K562 whole cell lysate.

Observed-MW:54 kDa

Calculated-MW:54 kDa

Preparation & Storage

| | |
|-----------------|---|
| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | Ice bag |

Background

The protein encoded by this gene belongs to the Ser/Thr protein kinase family. It is required for checkpoint mediated cell cycle arrest in response to DNA damage or the presence of unreplicated DNA. This protein acts to integrate signals from ATM and ATR, two cell cycle proteins involved in DNA damage responses, that also associate with chromatin in meiotic prophase I. Phosphorylation of CDC25A protein phosphatase by this protein is required for cells to delay cell cycle progression in response to double-strand DNA breaks. Several alternatively spliced transcript variants have been found for this gene.

For Research Use Only

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