Recombinant DGRmAb®

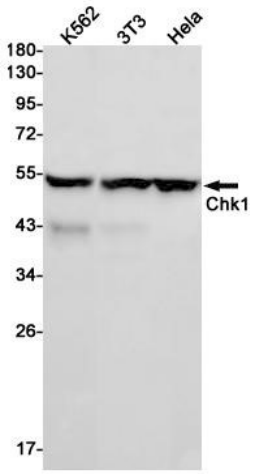
# Chk1 (DGR12192) Rabbit mAb

**db14895** **Package : 10μL 20μL 50μL 100μL**

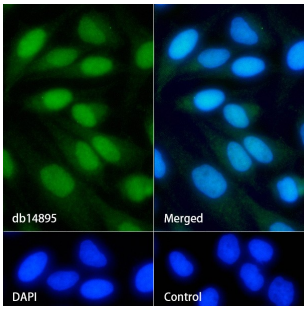
**Product Name :** Chk1 (DGR12192) Rabbit mAb
**Cat.No.:** db14895
**Synonyms :** CHK1
**Application :** WB, ICC/IF, FC, IP
**Reactivity :** Human,Mouse,Rat
**Host species :** Rabbit

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|---|---|
| **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. [provided by RefSeq, Oct 2011] |
| **Immunogen** | A synthetic peptide of human Chk1 |
| **Gene ID** | 1111 |
| **Swiss Prot** | O14757 |
| **Synonyms** | CHK1 |
| **Reactivity** | Human,Mouse,Rat |
| **Application** | WB, ICC/IF, FC, IP |
| **Recommended dilution** | WB: 1:1000<br>ICC/IF: 1:50<br>FC: 1:20<br>IP: 1:20 |
| **Calculated MW** | 54 kDa |
| **Observed MW** | 54 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR12192 |

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|---|---|
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |




Western blot detection of Chk1 in K562,3T3,Hela cell lysates using Chk1 antibody(1:1000 diluted).




Immunofluorescence analysis of HeLa cells labelling Chk1 with db14895.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db14895 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.