

# Phospho-Chk1-S317 Rabbit Polyclonal Antibody



CABP0018

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

60kDa

### Calculated MW:

43kDa/50kDa/54kDa

### Applications:

WB IF

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

1111

### Uniprot

O14757

### Synonyms:

CHEK1; CHK1

### Immunogen:

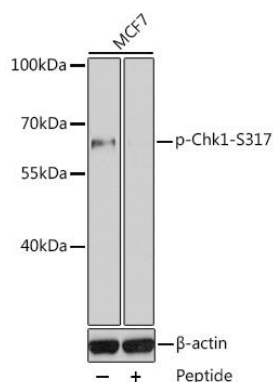
A synthetic phosphorylated peptide around S317 of human Chk1 (NP\_001265.2).

### Storage:

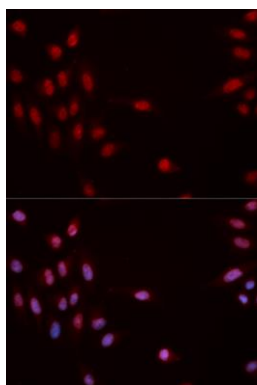
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

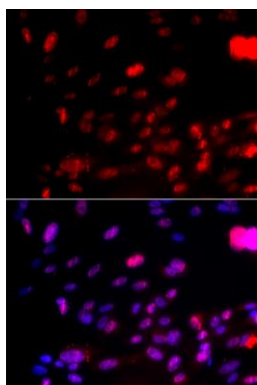
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Western blot analysis of extracts of MCF7 cell line, using Phospho-Chk1-S317 antibody (CABP0018). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.



Immunofluorescence analysis of MCF-7 cells using Phospho-Chk1-S317 antibody (CABP0018). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Phospho-Chk1-S317 antibody (CABP0018). Blue: DAPI for nuclear staining.