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Phospho-CHEK1-S317

Reactivity: Human

Tested applications:WB IF

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

Calculated MW:54kDa

Observed MW: Refer to Figures

Immunogen:

A phospho specific peptide corresponding to residues surrounding S317 of human CHEK1

Storage Buffer:

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

Concentration:

e

Synonym:

CHK1

Catalog #:AP0018

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:1111

Isotype: IgG

Swiss Prot:O14757

Purity: Affinity purification

For research use only.

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.

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