bs-13907R

[Primary Antibody]

phospho-CHEK2 (Ser28) Rabbit pAb



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IHC-P (1:100-500)

IHC-F (1:100-500)

IF (1:100-500)

61 kDa

Applications: WB (1:500-2000)

Reactivity: Human

Predicted

MW.:

Subcellular Nucleus Location:

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 11200 **SWISS:** 096017

Target: CHEK2 (Ser28)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

CHEK2 isoform c around the phosphorylation site of ser28: TQ(p-

S)QG.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

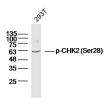
Background: In response to DNA damage and replication blocks, cell cycle progression is halted through the control of critical cell cycle

regulators. The protein encoded by this gene is a cell cycle checkpoint regulator and putative tumor suppressor. It contains a forkboad associated protein interaction domain associated protein d

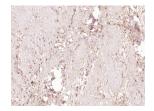
forkhead-associated protein interaction domain essential for activation in response to DNA damage and is rapidly phosphorylated in response to replication blocks and DNA damage. When activated, the encoded protein is known to inhibit CDC25C phosphatase, preventing entry into mitosis, and has been shown 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 mutations in TP53. Also, mutations in this gene are thought to confer a predisposition to sarcomas, breast cancer, and brain tumors. This nuclear protein is a member of the CDS1 subfamily of serine/threonine protein kinases. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

VALIDATION IMAGES



Protein: 293T(human) cell lysate at 30ug; Primary: Anti-p-CHK2(Ser28) at 1:300 Secondary: IRDye800CW Goat anti-Rabbit at 1:10 000 Predicted band size: 61 kD Observed band size: 61 kD



Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-CHK2 (Ser28)) Polyclonal Antibody, Unconjugated (bs-13907R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.