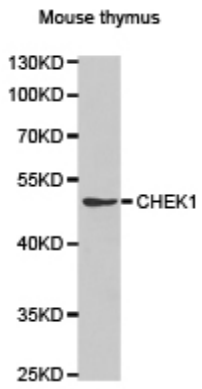
CHEK1Polyclonal Antibody

E90700

Catalog Number: E90700
Amount: 100ul
Background: In response to DNA damage, mammalian cells prevent cell cycle progression through the control of critical cell cycle regulators. CHK1 (synonym: CHEK1), a homolog of the Schizosaccharomyces pombe Chk1 protein kinase, is required for the DNA damage checkpoint. Human Chk1 protein is modified in response to DNA damage. In vitro Chk1 binds to and phosphorylate the dual-specificity protein phosphatases Cdc25A, Cdc25B, and Cdc25C, which control cell cycle transitions by dephosphorylating cyclin-dependent kinases. CHK1 can be autophosphorylated(PMID:22941630) and ubiquitinated(PMID:19276361). It has 3 isoforms produced by alternative splicing with the molecular weight of 54 kDa, 44 kDa and 50 kDa. This antibody is specific to CHK1.
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: CHK1
Immunogen: Recombinant protein of human CHEK1
Purification: Affinity purification
Reactivity: H M R
Applications: WB
Molecular Weight: 54kDa
Swiss-Prot No. : O14757
Gene ID: 1111

WB 1:500 - 1:1000



Western blot analysis of extracts of mouse thymustissue, using CHEK1antibody.

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