CHK1 Mouse Monoclonal Antibody

E10-20031

Background: CHK1, also known as CHEK1, it is a kinase that phosphorylates cdc25, an important phosphatase in cell cycle control, particularly for entry into mitosis. Cdc25, when phosphorylated on serine 216 by chk1 becomes bound by an adaptor protein in the cytoplasm. Therefore it is inhibited from removing the inhibiting phosphate from MPF (mitotic/maturation promoting factor) added by Wee1. Consequently, a cell is prevented from entering mitosis. Chk1 can also phosphorylate p53 at Ser20 in vitro.

Catalog Number: E10-20031

Amount: 100μg/100μl

Clone Number: 2G1D5

Species: Mouse IgG1

MW 56kDa

Aliases: CHEK1

Entrez Gene: 1111

Immunogen: Purified recombinant fragment of CHK1 expressed in E. Coli.

Storage: Store at 4℃, for long term storage, store at -20℃

Formulation: Purified antibody in PBS containing 0.03% sodium azide

Species Reactivities: Human

Tested Applications: WB, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, ELISA. Propose dilution 1/10000.

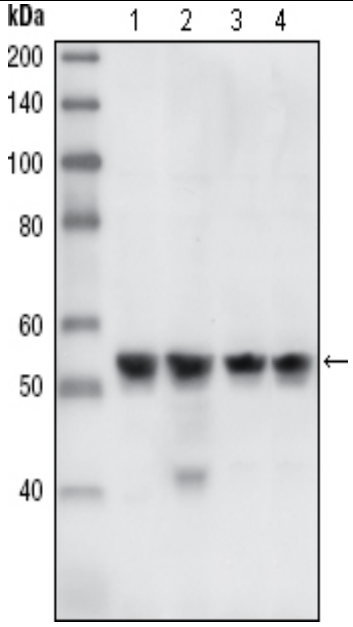

Figure 1. Western blot analysis using CHK1 mouse mAb against A431 (1), Hela (2), NIH/3T3 (3) and K562 (4) cell lysate.

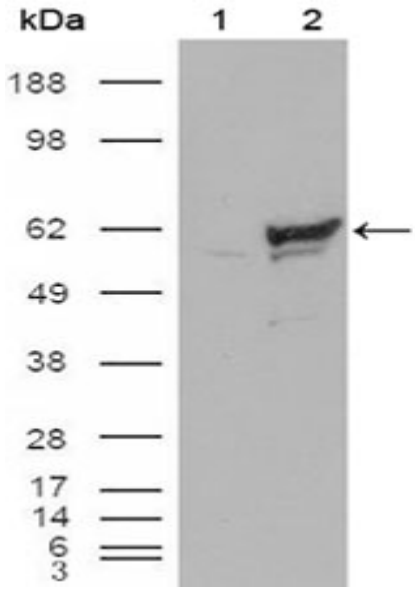

Figure 2. Western blot analysis using CHK1 mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY CHK1 cDNA (2).

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