

CHK1 monoclonal antibody

Catalog: MB21046

Host: Mouse

Reactivity: Human, Mouse

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.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

56kDa

Swiss-Prot:

O14757

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

Mouse IgG1

DATA:



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

Note:

For research use only, not for use in diagnostic procedure.

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