

anti-Chk1

Cat #: HM1086
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Cell cycle is regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks). Chk1 and Chk2 are involved in these processes as regulators of Cdks. Chk1 (as well as Chk2) plays an important role in the G2 DNA damage checkpoint by phosphorylating Cdc25C in response to DNA damage. Phosphorylation inhibits Cdc25C activity, thereby blocking mitosis. It has also been shown that Chk1 can phosphorylate Wee1, a protein tyrosine kinase that phosphorylate Cdc2.

SPECIFICITY

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A recombinant protein corresponding representing full-length Chk1 of human origin.

STORAGE

This antibody is stable for 24 months when stored at 2-8°C.

REFERENCES

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3. Matsuoka, S., Huang, M., and Elledge, S.J. 1998. Linkage of ATM to cell cycle regulation by the Chk2 protein kinase. *Science* 282: 1893-1897.
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