

Product Name: CHK1 Mouse Monoclonal Antibody**Catalog #: AMM80519**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	56kDa

Antigen Information

Gene Name	CHK1
Alternative Names	CHEK1
Gene ID	1111.0
SwissProt ID	O14757
Immunogen	Purified recombinant fragment of CHK1 expressed in E. Coli.

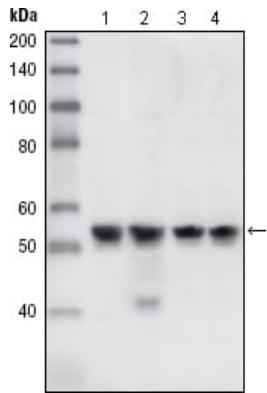
Background

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.

Research Area

Image Data



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