

## Mouse Monoclonal Antibody to CHK1

<b>Catalogue Number</b>	sAP-0030
<b>Target Molecule</b>	<p><b>Name:</b> CHK1</p> <p><b>Aliases:</b> CHEK1</p> <p><b>MW:</b> 56kDa</p> <p><b>Entrez Gene ID:</b> 1111</p>
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of CHK1 expressed in E. Coli.
<b>Reactive Species</b>	Human, Mouse
<b>Clone</b>	MM2G1D5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. EMBO J. 1998. 16: 545-554. ; 2. Science 1998. 282: 1893-1897.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**