

Cell Cycle Regulation Antibody Sampler Kit II

Cat# AK0199

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

The critical regulatory step in activating cdc2 during progression into mitosis appears to be dephosphorylation of cdc2 at Tyr15 and Thr14. Phosphorylation of cdc2 by the protein kinases Wee1 and Myt1 at Thr14 and Tyr15 results in inhibition of cdc2. Progression through the G1/S checkpoint and initiation of DNA replication requires cyclin E; traversing the G2/M checkpoint to initiate mitosis requires cyclin B, and cyclin A may be required for both S-phase and M-phase. The versatile p21 cyclin-dependent kinase inhibitor, which interacts with several cyclin-CDK complexes to regulate cyclin-CDK during the cell cycle, is regulated by phosphorylation and ubiquitin-mediated degradation. Phosphorylation of histone H3 at Ser10 and neighboring residues correlates with chromosomal condensation, which is essential for segregation of chromosomes during mitosis.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340205	Phospho-CDK1 (Tyr15) Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat, Monkey	Rabbit
A340117	Cyclin B1 Polyclonal Antibody	20µL	WB, ELISA	Human	Rabbit
A340235	Phospho-Histone H3 (Ser10) Polyclonal Antibody	20µL	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340600	PKMYT1 Polyclonal Antibody	20µL	WB, IHC, ELISA	Human	Rabbit
A340745	p21 Polyclonal Antibody	20µL	WB, ELISA	Human	Rabbit
A340307	Phospho-WEE1 (Ser642) Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120µL	WB, ELISA	Rabbit	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.