

# CDK Antibody Sampler Kit

Cat# AK0134

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

## PRODUCT DESCRIPTION

Cyclin-dependent kinases (CDKs) are the core effectors of cell cycle progression. CDK activity is regulated through association with their cyclin partners and cyclin-dependent kinase inhibitors (CKIs) as well as by activating and inhibitory phosphorylation events. Inhibition is mediated by Wee1 and Myt1 kinases that target residues at the amino terminus of CDK1. Dephosphorylation of these residues by cdc25 phosphatase leads to activation of CDK kinase activity. The CDK7/cyclinH complex is the ubiquitous mammalian CDK-activating kinase (CAK) that phosphorylates a conserved threonine residue in the T-loop domain of CDKs. The carboxy-terminal domain of RNA polymerase II is also a target of CAK as well as CDK9/cyclinT. CDK4/6 associate with cyclinD and phosphorylate retinoblastoma protein and initiate progression through the restriction point in G1. CDK2 associates with cyclinE in early S phase and cyclinA later in G2. CDK1/cyclinB regulates the initiation of mitotic events.

## PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340476	CDK1 Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat	Rabbit
A340477	CDK2 Polyclonal Antibody	20µL	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340712	CDK4 Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat	Rabbit
A340101	CDK6 Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse	Rabbit
A340478	CDK7 Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse	Rabbit
A340102	CDK9 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.