CDK Antibody Sampler Kit

Catalog No.	E-AB-K1462	**Reactivity**	Human
Storage	Store at -20℃, Avoid freeze / thaw cycles	**Applications**	WB
Buffer	PBS with sodium azide and glycerol.	**Dilution**	1:500-1:2000

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Included	Product	Isotype	Mol. Wt.	Size
E-AB-30844		IgG	34kDa	20μL
E-AB-30865		IgG	32kDa	20μL
E-AB-33468		IgG	35kDa	20μL
E-AB-10222		IgG	37kDa	20μL
E-AB-30869		IgG	39kDa	20μL
E-AB-10224		IgG	43kDa	20μL
E-AB-1003	Goat Anti-Rabbit IgG(H+L)(peroxidase/HRP conjugated)	Goat		120μL

Product Description

The CDK Antbody Sampler Kit provides and economical means of evaluating Cdk proteins. The kit contains enough primary and secondary antibodies to perform two western blot experiments.

Please visit www.elabscience.com for validation data and a complete listing of recommended companion products.

Background

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.

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