

Rabbit CDK1-T14 Polyclonal Antibody | anti-CDK1 antibody

Phospho-CDK1-T14 Polyclonal Antibody

CATALOG # AAA10633	HOST Rabbit	APPLICATIONS Western Blot, ELISA
------------------------------	-----------------------	--

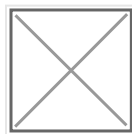
PRODUCT SYNONYMS

CDK1-T14; Polyclonal Antibody; Phospho-CDK1-T14 Polyclonal Antibody; Phospho-CDK1-T14: CDC2; CDC28A; P34CDC2; anti-CDK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Sequence Length	297
Applicable Applications for anti-CDK1 antibody	WB (Western Blot), ELISA
Application Notes	WB 1:500 - 1:1000
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around T14 of human CDK1 (NP_001777.1).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of Lysates HeLa, using Phospho-CDK1-T14 Rabbit pAb (AAA10633) at 1:500 dilution. HeLa cells were treated by Hydroxyurea (4 mM) at 37 degree C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1 antibody

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	334302921
NCBI GeneID	983
UniProt Accession #	P06493; O60764; A8K7C4; C9J497
Molecular Weight	Observed MW: 34kDa Calculated MW: 34kDa
NCBI Official Full Name	Cyclin-dependent kinase 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 1
NCBI Official Symbol	CDK1
NCBI Official Synonym Symbols	CDC2; CDC28A; P34CDC2
NCBI Protein Information	cyclin-dependent kinase 1; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	CDK1
UniProt Synonym Gene Names	CDC2; CDC28A; CDKN1; P34CDC2; CDK1
UniProt Entry Name	CDK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.