

Rabbit CDC2 Polyclonal Antibody | anti-CDK1 antibody

CDC2 Antibody (N-term)

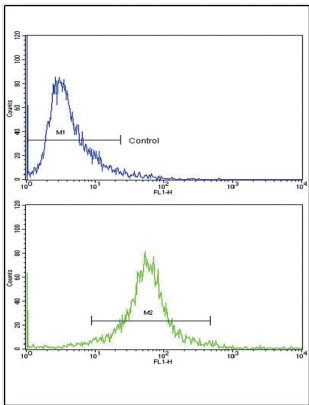
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288273	Rabbit	Human (Predicted Reactivity: Bovine, Chicken)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

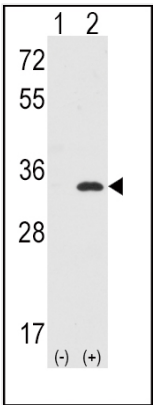
CDC2; Polyclonal Antibody; CDC2 Antibody (N-term); Cyclin-dependent kinase 1; CDK1; Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase; CDC28A; CDKN1; P34CDC2; anti-CDK1 antibody

PRODUCT SPECIFICATIONS

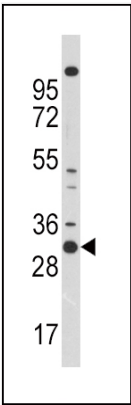
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from the N-terminal region of human CDC2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-29
Sequence Length	297
Applicable Applications for anti-CDK1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of 293 cells using CDC2 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of CDC2 (arrow) using rabbit polyclonal CDC2 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDC2 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of CDC2 Antibody (N-term) in 293 cell line lysates (35ug/lane). CDC2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1 antibody	CDC2 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.
Product Categories/Family for anti-CDK1 antibody	Cancer; Cell biology; Neuroscience
References	Forester,C.M., Proc. Natl. Acad. Sci. U.S.A. 104 (50), 19867-19872 (2007) Skoufias,D.A., J. Cell Biol. 179 (4), 671-685 (2007) Hester,K.D., Cell Cycle 6 (13), 1594-1604 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502709
NCBI GeneID	983
NCBI Accession #	NP_001777.1; NP_203698.1
NCBI GenBank Nucleotide #	NM_001786.4

UniProt Accession #	P06493 ; O60764 ; A8K7C4 ; C9J497
Molecular Weight	34095
NCBI Official Full Name	cyclin-dependent kinase 1 isoform 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
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cdc2-antibody-flow-cytometry-western-blot-elisa/288273>