

Rabbit CDK1 Polyclonal Antibody | anti-CDK1 antibody

CDK1 Antibody (T14)

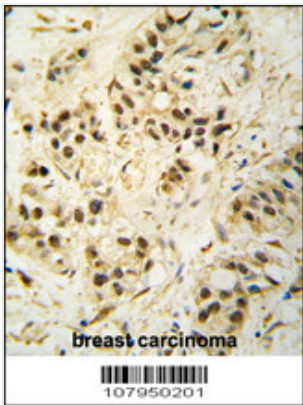
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289829	Rabbit	Human (Predicted Reactivity: Mouse, Rat, Chicken, Bovine, Drosophila, Xenopus)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

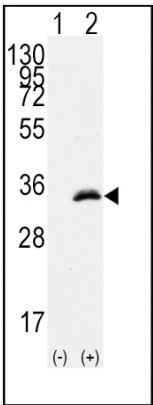
CDK1; Polyclonal Antibody; CDK1 Antibody (T14); Cyclin-dependent kinase 1; Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase; CDC2; CDC28A; CDKN1; P34CDC2; anti-CDK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat, Chicken, Bovine, Drosophila, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human CDK1.
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: 0.38 (varies by lot)
Sequence Positions	1-30
Sequence Length	240
Applicable Applications for anti-CDK1 antibody	IHC (Immunohistochemistry), 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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CDK1 Antibody (T14) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CDK1 (arrow) using rabbit polyclonal CDK1 Antibody (T14). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDK1 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1 antibody	CDK1 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	Kramer, A., et al., Nat. Cell Biol. 6(9):884-891 (2004). Dai, X., et al., J. Invest. Dermatol. 122(6):1356-1364 (2004). Litvak, V., et al., Mol. Cell 14(3):319-330 (2004). Shapira, M., et al., Cancer 100(8):1615-1621 (2004). Chow, J.P., et al., J. Biol. Chem. 278(42):40815-40828 (2003).

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/cdk1-antibody-immunohistochemistry-western-blot-elisa/289829>