

CDK1 Polyclonal Antibody | anti-CDK1 antibody

Anti-CDK1 Antibody

CATALOG # AAA46347	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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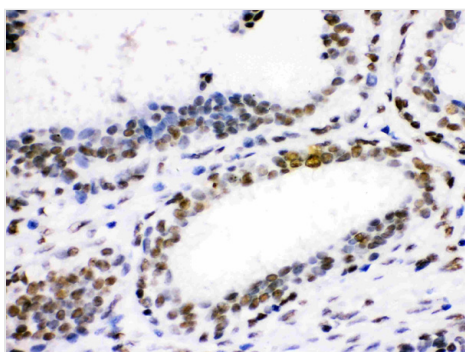
PRODUCT SYNONYMS

CDK1; Polyclonal Antibody; Anti-CDK1 Antibody; Cyclin-dependent kinase 1; Cdc 2; Cdc2; CDC28A; CDK 1; CDK1_HUMAN; CDKN1; CELL CYCLE CONTROLLER CDC2; Cell division control protein 2; Cell division control protein 2 homolog; Cell division cycle 2 G1 to S and G2 to M; Cell division protein kinase 1; Cell Division Cycle 2 Protein; Cyclin Dependent Kinase 1; DKFZp686L20222; MGC111195; p34 Cdk1; p34 protein kinase; P34CDC2; cyclin-dependent kinase 1; anti-CDK1 antibody

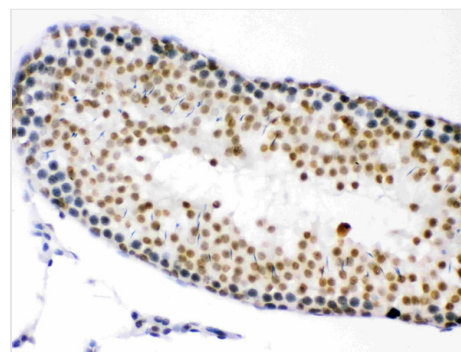
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	297
Applicable Applications for anti-CDK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CDK1 recombinant protein (Position: L66-M297). Human CDK1 shares 97.8% and 98.3% amino acid (aa) sequence identity with mouse and rat CDK1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

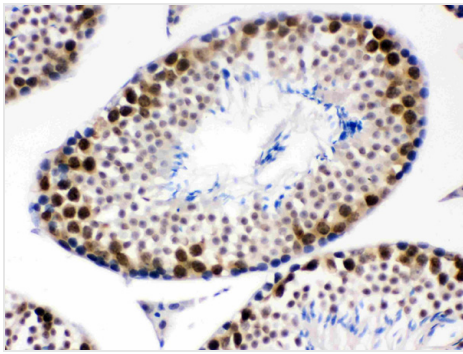
IMAGES



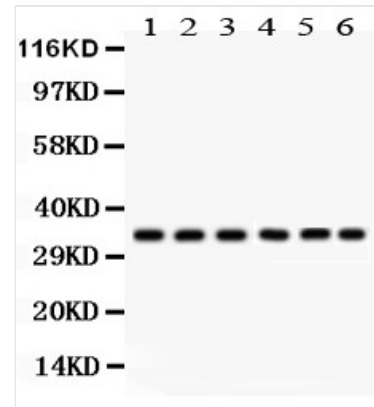
IHC (Immunohistochemistry)
Anti- CDK1 Picoband antibody, AAA46347, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- CDK1 Picoband antibody, AAA46347, IHC(P)IHC(P): Rat Testis Tissue



IHC (Immunohistochemistry)
Anti- CDK1 Picoband antibody, AAA46347, IHC(P)IHC(P): Mouse Testis Tissue



WB (Western Blot)
Anti- CDK1 Picoband antibody, AAA46347, Western blottingAll lanes: Anti CDK1 (AAA46347) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: Rat Spleen Tissue Lysate at 50ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugLane 6: NIH3T3 Whole Cell Lysate at 40ugPredicted bind size: 34KDObserved bind size: 34KD

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1 antibody	Description: Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 1(CDK1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: CDC2, Cell Division Cycle 2, is also known as CDK1 (Cyclin-dependent Kinase 1). CDC2 is a catalytic subunit of a protein kinase complex, called the M-phase promoting factor that induces entry into mitosis and is universal among eukaryotes. In HeLa cells CDC2 is the most abundant phosphotyrosine-containing protein and its phosphotyrosine content is subject to cell cycle regulation. CDC2 gene is located on chromosome 10.
References	1. Draetta, G.; Piwnica-Worms, H.; Morrison, D.; Druker, B.; Roberts, T.; Beach, D.: Human CDC2 protein kinase is a major cell-cycle regulated tyrosine kinase substrate. Nature 336: 738-744, 1988. 2. Nazarenko, S. A.; Ostroverhova, N. V.; Spurr, N. K. : Regional assignment of the human cell cycle control gene CDC2 to chromosome 10q21 by in situ hybridization. Hum. Genet. 87: 621-622, 1991. 3. Spurr, N. K.; Goodfellow, P. N.; Nurse, P.; Lee, M. : Assignment of the human homologue of the yeast cell cycle control gene CDC2 to chromosome 10. (Abstract) Cytogenet. Cell Genet. 46: 698, 1987.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502709
NCBI GeneID	983
NCBI Accession #	NP_001777.1
NCBI GenBank Nucleotide #	NM_001786.4
UniProt Accession #	P06493; O60764; A8K7C4; C9J497
Molecular Weight	27,503 Da
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://stage.aaabiotech.com/polyclonal/cdk1-antibody-immunohistochemistry-western-blot-elisa/46347>