

Rabbit Cdk1/2 Monoclonal Antibody | anti-Cdk1/2 antibody

Anti-Phospho-Cdk1/2 (T14) Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124529	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

Cdk1/2; Monoclonal Antibody; Anti-Phospho-Cdk1/2 (T14) Rabbit Monoclonal Antibody; Cyclin-dependent kinase 1; CDK1; 2.7.11.22; 2.7.11.23; Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase; CDC2; CDC28A; CDKN1; P34CDC2; anti-Cdk1/2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	DFH-3
Purity/Purification	Affinity-chromatography
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ration to decide diltuion procedure. (varies by lot)
Applicable Applications for anti-Cdk1/2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen	A synthesized peptide derived from human Phospho-Cdk1/2 (T14)
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-Cdk1/2 (T14) expression in HeLa cell lysate treated with hydroxyurea (AAA124529). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDK1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CDK1.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat spleen, using Phospho-Cdk1/2 (T14) Antibody(AAA124529). CDK1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CDK1 Antibody (AAA124529) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Cdk1/2 antibody	Anti-Phospho-Cdk1/2 (T14) Rabbit Monoclonal Antibody tested for IP, IHC, WB in Human, Mouse, Rat.
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Product Categories/Family for anti-Cdk1/2 antibody	Cell Biology; Cell Cycle; Kinases/Phosphatases; cdk; Neuroscience; Neurology Process; Neural Signal Transduction; Neurodegenerative Disease; epigenetics and nuclear Signaling
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1004170672
NCBI GeneID	983
NCBI Accession #	NP_001307847.1
NCBI GenBank Nucleotide #	NM_001320918.1
UniProt Accession #	P06493; O60764; A8K7C4; C9J497
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdk1-2-antibody-clone-dfh-3-western-blot-immunohistochemistry-immunoprecipitation-elisa/124529>