

Rabbit CDk1 Polyclonal Antibody | anti-CDk1 antibody

CDk1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29954	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

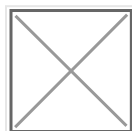
PRODUCT SYNONYMS

CDk1; Polyclonal Antibody; CDk1 Antibody; Cdc 2 antibody; Cdc2 antibody; CDC28A antibody; CDK 1 antibody; CDK1 antibody; CDK1_HUMAN antibody; CDKN1 antibody; CELL CYCLE CONTROLLER CDC2 antibody; Cell division control protein 2 antibody; Cell division control protein 2 homolog antibody; Cell division cycle 2 G1 to S and G2 to M antibody; Cell division protein kinase 1 antibody; Cell Division Cycle 2 Protein antibody; Cyclin Dependent Kinase 1 antibody; Cyclin-dependent kinase 1 antibody; DKFZp686L20222 antibody; MGC111195 antibody; p34 Cdk1 antibody; p34 protein kinase antibody; P34CDC2 antibody; anti-CDk1 antibody

PRODUCT SPECIFICATIONS

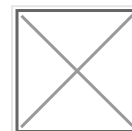
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CDk1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500 IHC: 1:200 ICC: 1:200 FC/FACS: 1:100-1:200
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



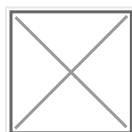
FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with CDk1 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.



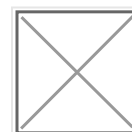
ICC (Immunocytochemistry)

ICC staining CDk1 in MCF-7 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining CDk1 in HepG2 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining CDk1 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-CDk1 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-CDk1 antibody. Counter stained with hematoxylin

ADDITIONAL INFORMATION

Related Product Information for anti-CDk1 antibody	Cdk1 is a small protein (approximately 34 kilodaltons), and is highly conserved. Cdk1 is comprised mostly by the bare protein kinase motif, which other protein kinases share. Cdk1, like other kinases, contains a cleft in which ATP fits. When bound to its cyclin partners, Cdk1 phosphorylation leads to cell cycle progression. Given its essential role in cell cycle progression, Cdk1 is highly regulated. Most obviously, Cdk1 is regulated by its binding with its cyclin partners. Cyclin binding alters access to the active site of Cdk1, allowing for Cdk1 activity; furthermore, cyclins impart specificity to Cdk1 activity. At least some cyclins contain a hydrophobic patch which may directly interact with substrates, conferring target specificity. Furthermore, cyclins can target Cdk1 to particular subcellular locations.
Product Categories/Family for anti-CDk1 antibody	Total protein Ab

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	34,095 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; 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.

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

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdk1-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29954>