

Rabbit CDK1/CDC2 Polyclonal Antibody | anti-CDK2 antibody

Phospho-CDK1/CDC2 (Thr14) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321575	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

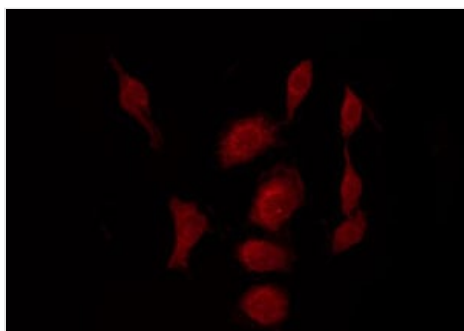
PRODUCT SYNONYMS

CDK1/CDC2; Polyclonal Antibody; Phospho-CDK1/CDC2 (Thr14) Antibody; Cdc2 related protein kinase; cdc2-related protein kinase; CDC28; CDC2A; Cdk 2; CDK1; CDK2; CDK2_HUMAN; CDKN2; Cell division kinase 2; Cell division protein kinase 2; Cyclin dependent kinase 2; cyclin dependent kinase 2-alpha; Cyclin-dependent kinase 2; kinase Cdc2; MPF; p33 protein kinase; p33(CDK2); anti-CDK2 antibody

PRODUCT SPECIFICATIONS

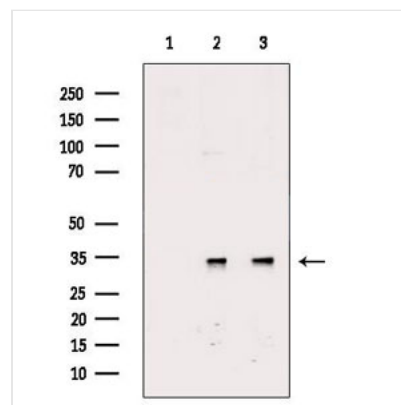
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-CDK1/CDC2 (Thr14) antibody detects endogenous levels of CDK1/CDC2 only when phosphorylated at Threonine 14
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CDK2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDK1/CDC2 around the phosphorylation site of Thr14.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321575 staining A2780 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using Phospho-CDK1/CDC2 (Thr14) Antibody. Lane 1: Heat-shock treated HeLa cells, blocked with antigen-specific peptides, Lane 2: Heat-shock treated HeLa cells, Lane 3: H2O2 treated HUVEC cells.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK2 antibody	Description: The protein encoded by this gene 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. Similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	589811557
NCBI GeneID	1017
NCBI Accession #	NP_001277159.1
NCBI GenBank Nucleotide #	NM_001290230.1
UniProt Accession #	P06493; O75100; A8K7C6; P24941
Molecular Weight	34 kDa
NCBI Official Full Name	cyclin-dependent kinase 2 isoform 3
NCBI Official Synonym Full Names	cyclin dependent kinase 2
NCBI Official Symbol	CDK2
NCBI Official Synonym Symbols	CDKN2; p33(CDK2)
NCBI Protein Information	cyclin-dependent kinase 2
UniProt Protein Name	Cyclin-dependent kinase 2
UniProt Gene Name	CDK2
UniProt Synonym Gene Names	CDKN2

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-cdc2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321575>