

CDK1/CDC2 Antibody | anti-CDK1/CDC2 antibody

CDK1/CDC2 (Phospho-Thr14) Antibody

CATALOG # AAA110741	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Western Blot
-------------------------------	--	--

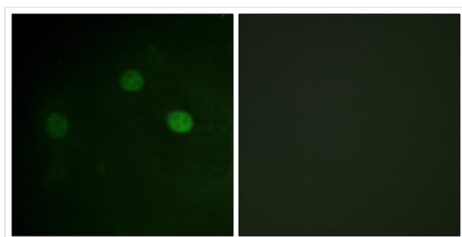
PRODUCT SYNONYMS

CDK1/CDC2; CDK1/CDC2 (Phospho-Thr14) Antibody; CDC28; CDC2A; CDK1; Cell division control protein 2 homolog; Cyclin-dependent kinase 1; EC 2.7.11.22; EC 2.7.11.23; MPF; kinase Cdc2; p34 protein kinase; anti-CDK1/CDC2 antibody

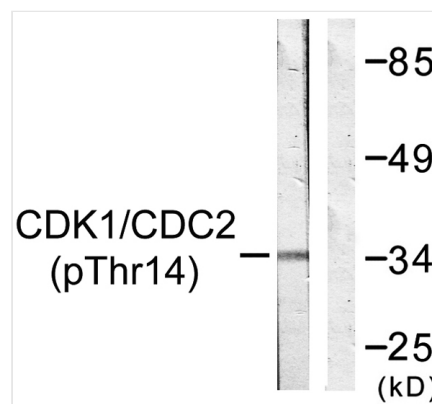
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	CDK1/CDC2 (Phospho-Thr14) antibody detects endogenous levels of CDK1/CDC2 only when phosphorylated at threonine 14.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	238
Applicable Applications for anti-CDK1/CDC2 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CDK1/CDC2 around the phosphorylation site of threonine 14 (E-G-TP-Y-G).
All Sites	Human: Thr14 Mouse: Thr14 Rat: Thr14
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES


WB (Western Blot)

P-peptide-+ Western blot analysis of extracts from HepG2 cells, treated with Forskolin (40nM, 30mins), using CDK1/CDC2 (Phospho-Thr14) antibody. Immunofluorescence analysis of COS7 cells, using CDK1/CDC2 (Phospho-Thr14) antibody.


Application Data

ADDITIONAL INFORMATION

Product Categories/Family for anti-CDK1/CDC2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Carsten Müller-Tidow, Mol. Cell. Biol., Oct 2004; 24: 8917-8928. Yukinobu Arata, J. Biol. Chem., Feb 2000; 275: 6337. Patrick Corsino, Cancer Res., Apr 2007; 67: 3135-3144.

NCBI AND UNIPROT INFORMATION

NCBI GI #	589811557
NCBI GeneID	1017
NCBI Accession #	NP_001277159.1
NCBI GenBank Nucleotide #	NM_001290230.1
UniProt Accession #	P24941; O75100; A8K7C6
Molecular Weight	30,035 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/cdk1-cdc2/110741>