

CDC2 Antibody | anti-CDC2 antibody

CDC2 (Phospho-Thr161) Antibody

CATALOG # AAA111195	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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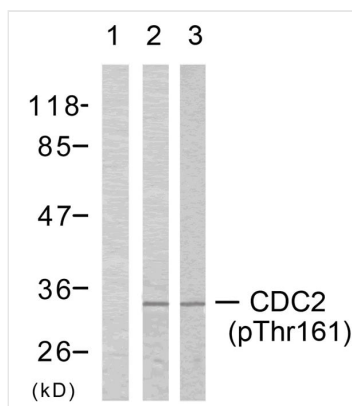
PRODUCT SYNONYMS

CDC2; CDC2 (Phospho-Thr161) Antibody; anti-CDC2 antibody

PRODUCT SPECIFICATIONS

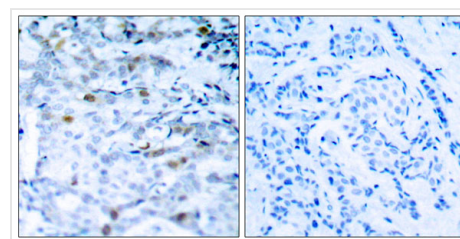
Reactivity	Human, Mouse, Rat
Specificity	CDC2 (phospho-Thr161) antibody detects endogenous levels of CDC2 only when phosphorylated at threonine 161.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide 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	297
Applicable Applications for anti-CDC2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CDC2 around the phosphorylation site of threonine161 (T-Y-TP-H-E).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO205 cells (Lane 1 and 2) and K562 cells (Lane 3), using CDC2 (phospho-Thr161) antibody.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using CDC2 (phospho-Thr161) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CDC2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Ukomadu C, et al.(2003) J Biol Chem; 278(7): 4840-6. Morris MC, et al.(2002)J Biol Chem; 277(26): 23847-53. Brown NR, et al.(1999)J Biol Chem; 274(13): 8746-56. Liu Y, et al.(2004)J Biol Chem; 279(6): 4507-14.
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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
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

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.