

CDC2(Phospho-Thr161) Antibody

Catalog No: #11134

Package Size: #11134-1 50ul #11134-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

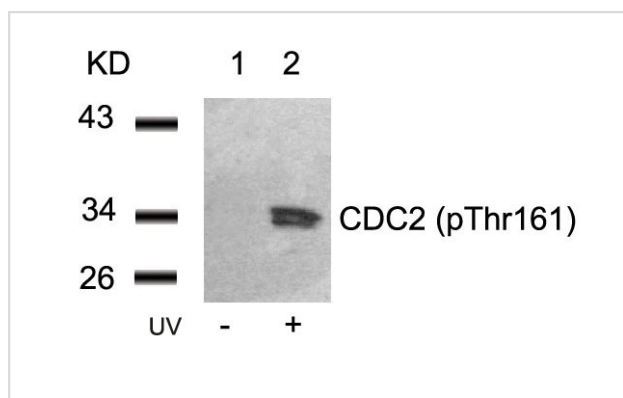
Description

Product Name	CDC2(Phospho-Thr161) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB;IHC;IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of CDC2 only when phosphorylated at threonine 161.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine161 (T-Y-T(p)-H-E) derived from Human CDC2.
Conjugates	Unconjugated
Target Name	CDC2
Modification	Phospho
Other Names	CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;
Accession No.	Swiss-Prot: P06493NCBI Protein: NP_001163877.1
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

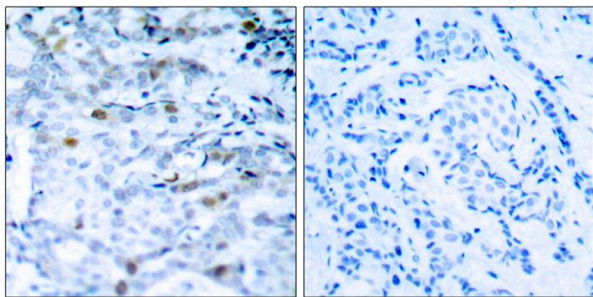
Application Details

WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:50-200

Images



Western blot analysis of extracts from HeLa cells untreated (lane 1) or treated with UV (lane 2) using CDC2(Phospho-Thr161) Antibody #11134.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDC2(Phospho-Thr161) Antibody #11134(left) or the same antibody preincubated with blocking peptide(right).

Background

cyclin dependent kinase 1(CDK1) Homo sapiens 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. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009],

Published Papers

el at., Adaptive Gene Regulation of Pyruvate Dehydrogenase Kinase Isoenzyme 4 in Hepatotoxic Chemical-Induced Liver Injury and Its Stimulatory Potential for DNA Repair and Cell Proliferation.In J Recept Signal Transduct Res on 2011 Feb by Minori Dateki, Megumi Kunitomo,et al..PMID:21182459, , (2011)

[PMID:21182459](#)

el at., Sinularin induces oxidative stress ζ • mediated G2/M arrest and apoptosis in oral cancer cells.In Environ Toxicol on 2017 Sep by Yung-Ting Chang , Chang-Yi Wu,et al..PMID:28548367, , (2017)

[PMID:28548367](#)

el at., Enhanced Proliferation of Bone Marrow Mesenchymal Stem Cells by Co-Culture With TM4 Mouse Sertoli Cells: Involvement of the EGF/PI3K/AKT Pathway .In Mol Cell Biochem on 2014 Aug byHuan Tian , Meijin Guo et al..PMID:24748323, , (2014)

[PMID:24748323](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.