CDC2(Phospho-Thr161) Antibody

Catalog No: #11134

Package Size: #11134-1 50ul #11134-2 100ul #11134-4 25ul

Overview

Product Name	CDC2(Phospho-Thr161) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	CDC2
Modification	Phospho-Thr161
Alternative Names	CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;

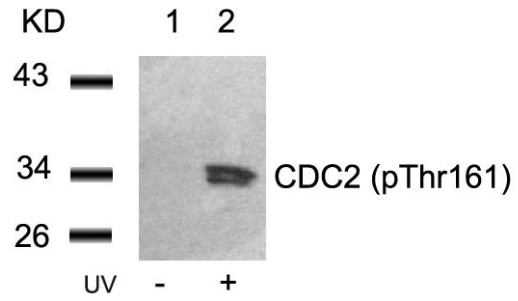
Application Details

Predicted MW: 34kd

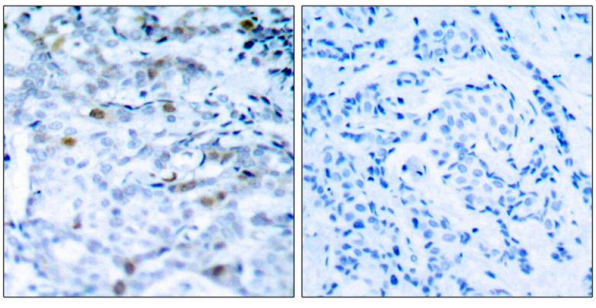
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

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).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine161 (T-Y-T(p)-H-E) derived from Human CDC2.
Specificity	The antibody detects endogenous level of CDC2 only when phosphorylated at threonine 161.
Purifiction	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 chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P06493NCBI Protein: NP_001163877.1

Related Information

Plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. p34 is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II.

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.