

CDC2(Ab-161) Antibody

Catalog No: #21152

Package Size: #21152-1 50ul #21152-2 100ul

Description

Product Name	CDC2(Ab-161) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total CDC2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.159~163 (T-Y-T-H-E) derived from Human CDC2.
Conjugates	Unconjugated
Target Name	CDC2
Other Names	CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;
Accession No.	Swiss-Prot: P06493NCBI Protein: NP_001163877.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.

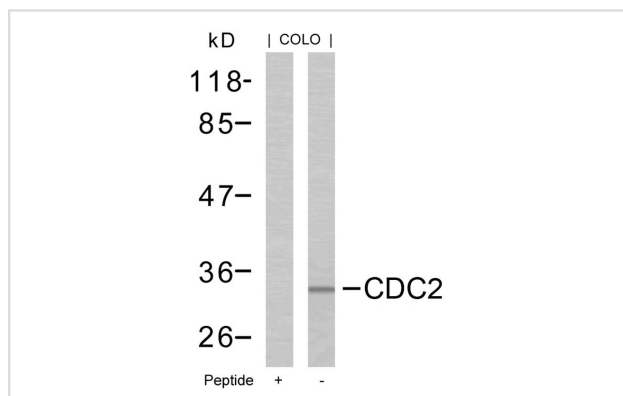
Application Details

Predicted MW: 34kd

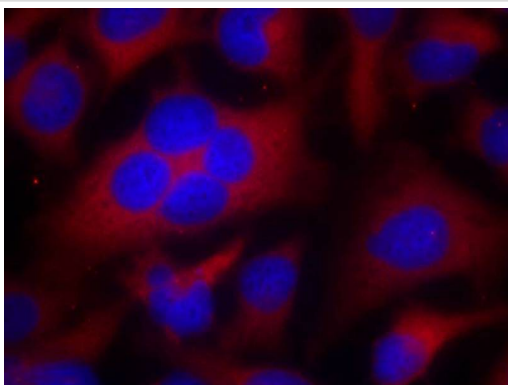
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from COLO cells using CDC2(Ab-161) Antibody #21152 and the same antibody preincubated with blocking peptide.



Immunofluorescence staining of methanol-fixed HeLa cells using CDC2(Ab-161) Antibody #21152.

Background

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

Published Papers

el at., Sinularin induces oxidative stress $\zeta^{\bullet}$ 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](#)

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