CDC2(Ab-161) Antibody

#21152

Catalog Number: 21152-1, 21152-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : P06493

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human CDC2 around the phosphorylation site of threonine161 (T-Y-Tp-H-E).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

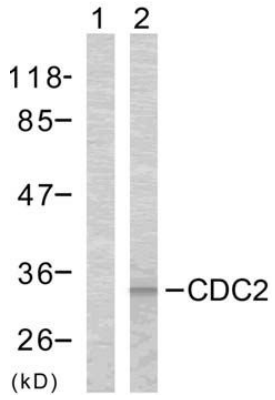
Specificity/Sensitivity: CDC2 (Ab-161) antibody detects endogenous levels of total CDC2 protein

Reactivity: Human, Mouse, Rat

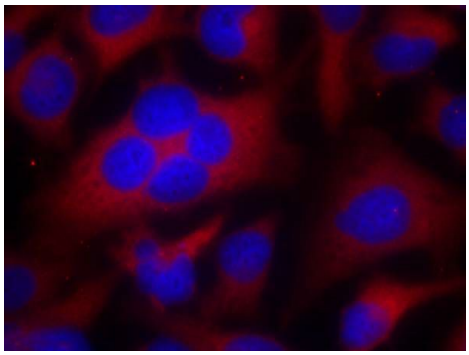
Applications:

Predicted MW: 34kd

WB: 1:500~1:1000 IF:1:100~1:200



Western blot analysis of the extracts from COLO cells using CDC2 (Ab-161) antibody (#21152)



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

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.

References：

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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