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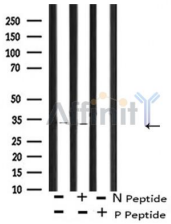
Phospho-CDK1/CDC2 (Thr161) Ab

References(1) Images(3)

Cat.#: AF8001	Concn.: ~1mg/ml	Mol.Wt.: 34KD
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:1000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Storage:	PBS, pH 7.4,50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human CDK1/CDC2 around the phosphorylation site of Threonine161.
Uniprot:	P06493
Description:	Serine/threonine-protein kinase involved in the control of the cell cycle; essential for meiosis, but dispensable for mitosis. Phosphorylates CTNNB1, USP37, p53/TP53, NPM1, CDK7, RB1, BRCA2, MYC, NPAT, EZH2. Interacts with cyclins A, B1, B3, D, or E. Triggers duplication of centrosomes and DNA. Acts at the G1-S transition to promote the E2F transcriptional program and the initiation of DNA synthesis, and modulates G2 progression; controls the timing of entry into mitosis/meiosis by controlling the subsequent activation of cyclin B/CDK1 by phosphorylation



Western blot analysis of extracts from HeLa cells, using CDC2(Phospho-Thr161) Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.