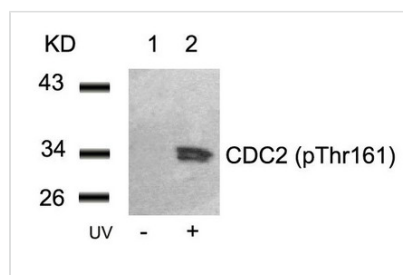




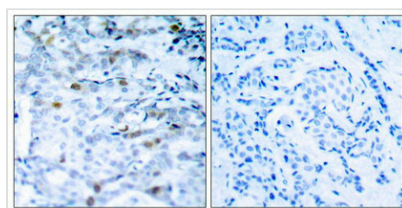
# Phospho-CDK1 (Thr161) Antibody

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-PA444785                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Uniprot No.</b>         | P06493                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>           | Peptide sequence around phosphorylation site of threonine161 (T-Y-T(p)-H-E) derived from Human CDC2.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species Reactivity</b>  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Specificity</b>         | The antibody detects endogenous level of CDC2 only when phosphorylated at threonine 161.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tested Applications</b> | ELISA,WB,IHC;WB:1:500-1:1000,IHC:1:50-1:100                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Relevance</b>           | <p>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.</p> <p>Ukomadu C, et al.(2003) J Biol Chem; 278(7): 4840-6.<br/> Morris MC, et al.(2002)J Biol Chem; 277(26): 23847-53.<br/> Brown NR, et al.(1999)J Biol Chem; 274(13): 8746-56.<br/> Liu Y, et al.(2004)J Biol Chem; 279(6): 4507-14.</p> |
| <b>Form</b>                | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification Method</b> | 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 usi                                                                                                                                                                                                                               |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Alias</b>               | CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Product Type</b>        | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Names</b>        | CDK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Image



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



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

**Product Modify**

**Phospho-Thr161**