

CDC20 (Phospho Ser51) rabbit pAb

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| Catalog No : | YP1294 |
| Reactivity : | Human;Mouse |
| Applications : | WB |
| Target : | CDC20 |
| Fields : | >>Cell cycle;>>Oocyte meiosis;>>Ubiquitin mediated proteolysis;>>Human T-cell leukemia virus 1 infection;>>Viral carcinogenesis |
| Gene Name : | CDC20 |
| Protein Name : | CDC20 (Ser51) |
| Human Gene Id : | 991 |
| Human Swiss Prot No : | Q12834 |
| Mouse Gene Id : | 107995 |
| Mouse Swiss Prot No : | Q9JJ66 |
| Rat Gene Id : | 64515 |
| Rat Swiss Prot No : | Q62623 |
| Immunogen : | Synthesized phospho peptide around human CDC20 (Ser51) |
| Specificity : | This antibody detects endogenous levels of Human Mouse CDC20 (phospho-Ser51) |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:1000-2000 |

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| Purification : | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 50kD |
| Cell Pathway : | Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Ubiquitin mediated proteolysis; |
| Background : | CDC20 appears to act as a regulatory protein interacting with several other proteins at multiple points in the cell cycle. It is required for two microtubule-dependent processes, nuclear movement prior to anaphase and chromosome separation. [provided by RefSeq, Jul 2008], |
| Function : | developmental stage:Synthesis is initiated at G1/S, protein level peaks in M phase and protein is abruptly degraded at M/G1 transition.,function:Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1. In metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated during mitosis, probably by maturation promoting factor (MPF).,PTM:Ubiquitinated and degraded by the proteasome during spindle assembly checkpoint.,similarity:Belongs to the WD repeat CDC20/Fizzy family.,similarity:Contains 7 WD repeats.,subunit:Found in a complex with CDC20, CDC27, SPATC1 and TUBG1. Interacts with SPATC1 (By similarity). Interacts with MAD2L |
| Subcellular Location : | Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle pole . |
| Expression : | Colon,Colon adenocarcinoma,Liver,Lymph,Muscle,Ovary,Skin,Spleen,Testis, |

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