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Phospho-CDK1-Y15

Reactivity: Human Mouse Rat

Tested applications:WB IF

Recommended Dilution:WB 1:500 - 1:1000 IF 1:50 - 1:100

Calculated MW:34kDa

Observed MW: Refer to Figures

Immunogen:

A phospho specific peptide corresponding to residues surrounding Y15 of human CDK1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bd

Synonym:

CDC2; CDC28A; P34CDC2;

Catalog #:AP0016

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:983

Isotype: IgG

Swiss Prot:P06493

Purity: Affinity purification

For research use only.

Background:

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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