

**Anti-Human/Mouse/Rat Phospho-CDK1 (Thr161) Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA01519**

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3th Edition

**Description:**CDK1, also named as CDC2, belongs to the protein kinase superfamily, CMGC Ser/Thr protein kinase family and CDC2/CDKX subfamily.CDC2 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. CDC2 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. It is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II. Mitotic cyclins stably associate with CDC2 and function as regulatory subunits. The antibody is specific to the 2 isoforms of CDC2.

**Antigen:**Synthesized peptide derived from human Cdc2 around the phosphorylation site of Thr161

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Isoform 2 is found in breast cancer tissues.