

**Anti-Human/Mouse/Rat Phospho-p21 (Thr145) Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA01604**

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3th Edition

**Description:** May be the important intermediate by which p53/TP53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression. Functions in the nuclear localization and assembly of cyclin D-CDK4 complex and promotes its kinase activity towards RB1. At higher stoichiometric ratios, inhibits the kinase activity of the cyclin D-CDK4 complex.

**Antigen:** Synthesized peptide derived from human p21 around the phosphorylation site of Thr145

**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:** Expressed in all adult human tissues, with 5-fold lower levels observed in the brain.