

p21 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252156

Unit: 0.1 mg

Description:

Cyclin-dependent kinase inhibitor 1 (p21) is an important intermediate by which p53/TP53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. P21 binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression. p21 functions in the nuclear localization and assembly of the cyclin D-CDK4 complex and promotes its kinase activity towards RB1. At higher stoichiometric ratios, p21 inhibits the kinase activity of the cyclin D-CDK4 complex.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H

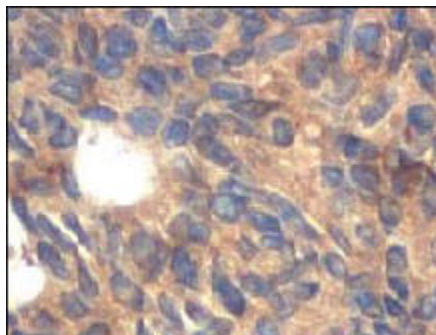
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 1% BSA with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: P21; CDKN1A; CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; Cyclin-dependent kinase inhibitor 1; CDK-interacting protein 1; Melanoma differentiation-associated protein 6; MDA-6

Accession No.: P38936

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human p21.

Application Notes: E: 1:10,000-1:50,000; WB: 1:200-1:1,000; IHC: 1:50-1:200



p21 staining in human colon carcinoma. Paraffin-embedded human colon carcinoma is stained with p21 Antibody (Cat. No. 252156) used at 1:100 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.