

35-1193: Polyclonal Antibody to p21Cip1 (Phospho-Thr145)

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| Clonality : | Polyclonal |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | CDKN1A |
| Gene ID : | 1026 |
| Uniprot ID : | P38936 |
| Format : | Purified |
| Alternative Name : | CAP20, CDK-interacting protein 1, CDKN1, CDKN1A, CDN1A |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Peptide sequence around phosphorylation site of threonine 145 (R-Q-T(p)-S-M) derived from Human p21Cip1. |

Description

May be the important intermediate by which p53 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.

Product Info

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| Amount : | 50 μ l / 100 μ l |
| Content : | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage condition : | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Predicted MW: 21kd, Immunohistochemistry: 1:50~1:100

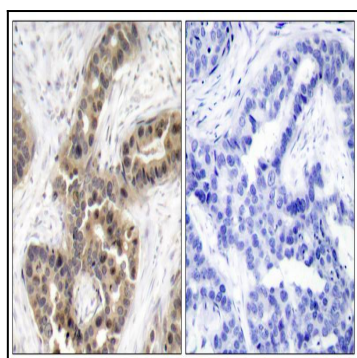


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p21Cip1(Phospho-Thr145) Antibody 35-1193 (left) or the same antibody preincubated with blocking peptide(right).