

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

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

Amount :	50 µl / 100 µl
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

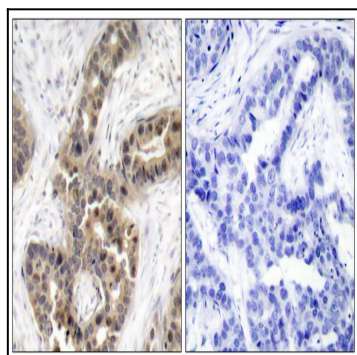


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p21Cip1(Phospho-Thr145) Antibody 35-1193 (left) or the same antibody preincubated with blocking peptide(right).