

35-1194: Polyclonal Antibody to p27Kip1 (Phospho-Thr187)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human
Gene :	CDKN1B
Gene ID :	1027
Uniprot ID :	P46527
Format :	Purified
Alternative Name :	CDKN1B, CDN1B, Cyclin-dependent kinase inhibitor 1B, Cyclin-dependent kinase inhibitor p27, KIP1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of threonine 187 (E-Q-T(p)-P-K) derived from Human p27Kip1.

Description

Important regulator of cell cycle progression. Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes. Positive regulator of cyclin D-dependent kinases such as CDK4. Regulated by phosphorylation and degradation events.

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: 27kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

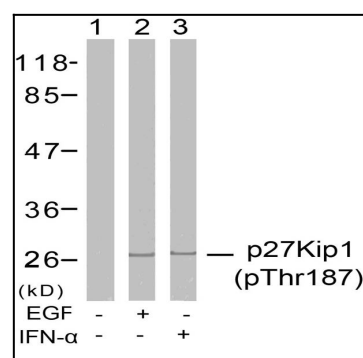


Figure 1: Western blot analysis of extracts from HeLa cells untreated or treated with EGF, IFN-α using p27Kip1(Phospho-Thr187) Antibody 35-1194 .

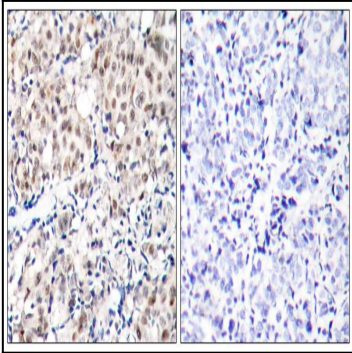


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p27Kip1(Phospho-Thr187) Antibody 35-1194 (left) or the same antibody preincubated with blocking peptide(right).