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# 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

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|---|---|
| **Amount :** | 50 µl / 100 µl |
| **Content :** | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

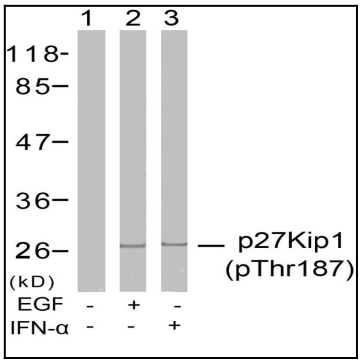


Figure 1: Western blot analysis of extracts from Hela cells untreated or treated with EGF, IFN-a using p27Kip1(Phospho-Thr187) Antibody 35-1194 .

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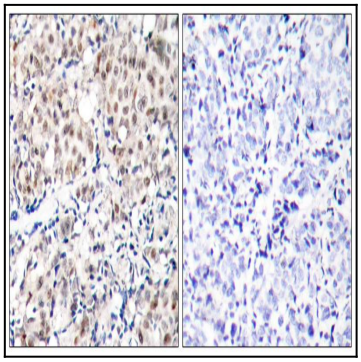

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p27Kip1(Phospho-Thr187) Antibody 35-1194 (left) or the same antibody preincubated with blocking peptide(right).