

### 35-1323: Polyclonal Antibody to Cyclin B1 (phospho-Ser147)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Polyclonal  |
| <b>Application :</b>           | WB,IHC,IF   |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | CCNB1   |
| <b>Gene ID :</b>               | 891   |
| <b>Uniprot ID :</b>            | P14635  |
| <b>Format :</b>                | Purified  |
| <b>Isotype :</b>               | Rabbit IgG  |
| <b>Immunogen Information :</b> | Peptide sequence around phosphorylation site of Serine 147 (A-F-S(p)-D-V) derived from Human Cyclin B1. |

#### Description

The protein encoded by Cyclin B1 is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites.

#### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 50 µl / 100 µl   |
| <b>Content :</b>           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| <b>Storage condition :</b> | 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: 60kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

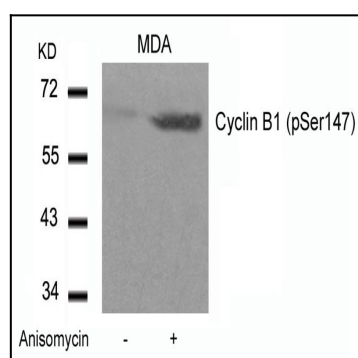


Figure 1: Western blot analysis of extracts from MDA cells untreated or treated with Anisomycin using Cyclin B1(phospho-Ser147) Antibody 35-1323 .

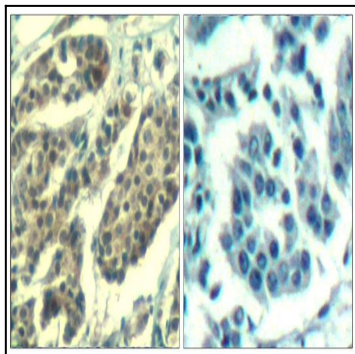


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cyclin B1(Phospho-Ser147) Antibody 35-1323 (left) or the same antibody preincubated with blocking peptide(right).

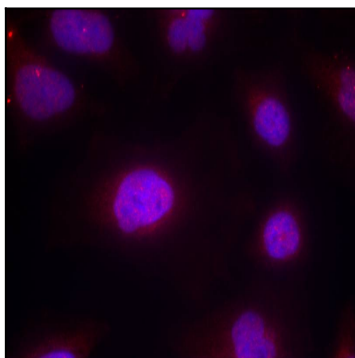


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using Cyclin B1(phospho-Ser147) Antibody 35-1323 .