

## 35-1743: Polyclonal Antibody to Cyclin B1 (Ab-147)

|                                |  |
|--------------------------------|--|
| <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>Alternative Name :</b>      | CCNB1  |
| <b>Isotype :</b>               | Rabbit IgG   |
| <b>Immunogen Information :</b> | Peptide sequence around aa.145~149 (A-F-S-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. Norbury, C. and Nurse, P. (1992) Annu. Rev. Biochem. 61, 441-470. Atherton-Fessler, S. et al. (1993) Mol. Cell. Biol. 13, 1675-1685. Galaktionov, K. et al. (1995) Genes Dev. 9, 1046-1058.

### 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

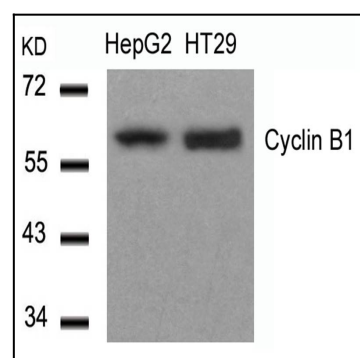


Figure 1: Western blot analysis of extracts from HepG2 and HT29 cells using Cyclin B1(Ab-147) Antibody 35-1743 .

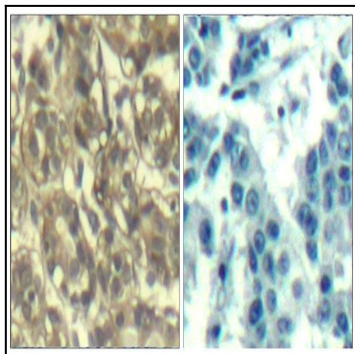


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cyclin B1(Ab-147) Antibody 35-1743 (left) or the same antibody preincubated with blocking peptide(right).

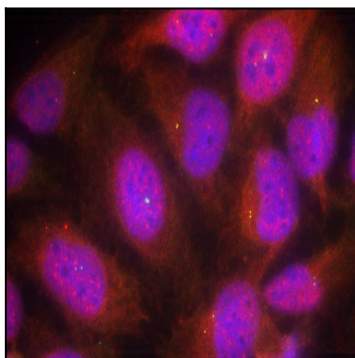


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using Cyclin B1(Ab-147) Antibody 35-1743 .