

## Cyclin B1(phospho-Ser147) Antibody

Catalog No: #11540

Package Size: #11540-1 50ul #11540-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Cyclin B1(phospho-Ser147) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Cyclin B1 only when phosphorylated at serine 147.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 147 (A-F-S(p)-D-V) derived from Human Cyclin B1.
Target Name	Cyclin B1
Modification	Phospho
Accession No.	Swiss-Prot: P14635NCBI Protein: NP_114172.1
Uniprot	P14635
GeneID	891;
Concentration	1.0mg/ml
Formulation	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.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

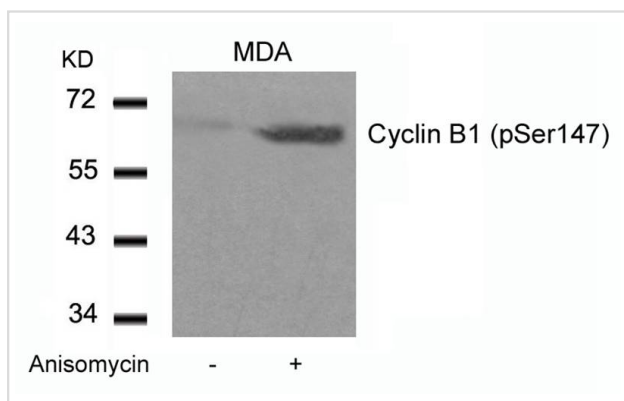
Predicted MW: 60kd

Western blotting: 1:500~1:1000

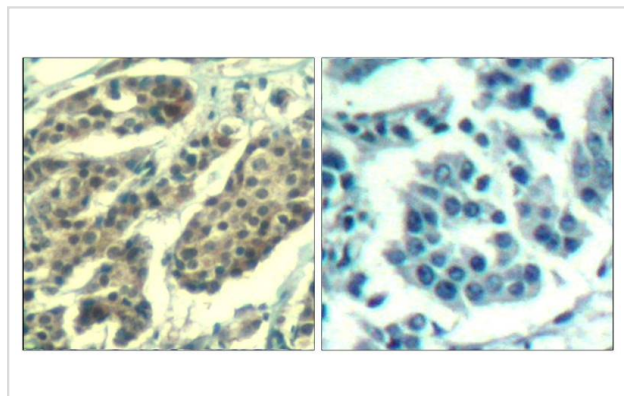
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

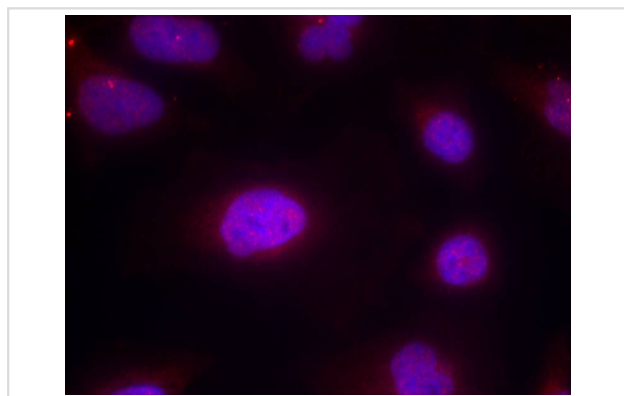
## Images



Western blot analysis of extracts from MDA cells untreated or treated with Anisomycin using Cyclin B1(phospho-Ser147) Antibody #11540.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cyclin B1(Phospho-Ser147) Antibody #11540(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using Cyclin B1(phospho-Ser147) Antibody #11540.

## Background

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.

Note: This product is for in vitro research use only