**Product name**  
Anti-Cyclin B1 (phospho S126) antibody ab55184

**Description**  
Rabbit polyclonal to Cyclin B1 (phospho S126)

**Host species**  
Rabbit

**Specificity**  
ab55184 detects endogenous levels of Cyclin B1 only when phosphorylated at serine 126.

**Tested applications**  
Suitable for: ICC/IF, WB, ELISA, IHC-P

**Species reactivity**  
Reacts with: Mouse, Human

**Immunogen**  
Database link: P14635

**Positive control**  
Human lung carcinoma tissue, extracts from NIH/3T3 cells, treated with EGF.

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**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

**Storage buffer**  
pH 7.40  
Preservative: 0.02% Sodium azide  
Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS

**Purity**  
Immunogen affinity purified

**Purification notes**  
The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

**Clonality**  
Polyclonal

**Isotype**  
IgG

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**Applications**

Our Abpromise guarantee covers the use of ab55184 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 19376971</td>
</tr>
<tr>
<td>WB</td>
<td>1/500 - 1/1000. Detects a band of approximately 65 kDa (predicted molecular weight: 48 kDa).</td>
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<tr>
<td>ELISA</td>
<td>1/5000.</td>
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<tr>
<td>IHC-P</td>
<td>1/50 - 1/100.</td>
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</table>

**Target**

**Function**
Essential for the control of the cell cycle at the G2/M (mitosis) transition.

**Sequence similarities**
Belongs to the cyclin family. Cyclin AB subfamily.

**Developmental stage**
Accumulates steadily during G2 and is abruptly destroyed at mitosis.

**Post-translational modifications**
Ubiquitinated by the SCF(NIPA) complex during interphase, leading to its destruction. Not ubiquitinated during G2/M phases.

**Cellular localization**

**Images**

**Western blot - Anti-Cyclin B1 (phospho S126) antibody (ab55184)**

- **All lanes**: Anti-Cyclin B1 (phospho S126) antibody (ab55184) at 1/500 dilution
  - **Lane 1**: extracts from NIH/3T3 cells treated with EGF (200ng/ml, 15mins).
  - **Lane 2**: extracts from NIH/3T3 cells treated with EGF (200ng/ml, 15mins); ab36621 pre-incubated with the immunising phosphopeptide.

**Predicted band size**: 48 kDa
**Observed band size**: 65 kDa

why is the actual band size different from the predicted?
Immunohistochemical analysis of Cyclin B1 (phospho S126) expression in paraffin embedded human lung carcinoma tissue using ab55184 at 1/50 dilution (left). Right hand panel represents a negative control where ab55184 was pre-incubated with the immunising (blocking) phosphopeptide.

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