Anti-Phospho-Tyr<sup>15</sup> cdc2 Antibody

Catalog#: p135-15  Size: 100 µl

Cite this Antibody: PhosphoSolutions Cat# p135-15, RRID:AB_2492052

<table>
<thead>
<tr>
<th>Host</th>
<th>Applications</th>
<th>Species Tested</th>
<th>Species Reactivity*</th>
<th>Molecular Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit</td>
<td>WB</td>
<td>H, M, X</td>
<td>R, Z</td>
<td>~34 kDa</td>
</tr>
</tbody>
</table>

**Product Description:** Affinity purified rabbit polyclonal antibody.

**Biological Significance:** Cdc2 is a highly conserved protein serine kinase that plays a key role in regulation of the cell cycle (Maller, 1991). The ability of cdc2 to exercise control over the cell cycle is dependent upon the phosphorylation of Tyr<sup>15</sup> in cdc2 (Nakamizo et al., 2002). cdc2 expression in brain has been linked to both neurogenesis and apoptosis (Konishi and Bonni, 2003; Dranovsky et al., 2001; Okano et al., 1996).

**Antigen:** Phosphopeptide corresponding to amino acid residues surrounding the phospho-Tyr<sup>15</sup> of rat cdc2.

**Antibody Specificity:** Specific for endogenous levels of the ~34 kDa cdc2 protein phosphorylated at Tyr<sup>15</sup>. Immunolabeling is completely eliminated by treatment with λ-Ptase.

**Purification Method:** Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.

**Quality Control Tests:** Western blots performed on each lot.

**Packaging:** 100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg BSA per ml and 50% glycerol.

**Storage and Stability:** Shipped on blue ice. Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
General References:


