Anti-Phospho-Ser\(^{392}\) p53

Antibody

Catalog #: p195-392    Size: 100 µl

Cite this Antibody: PhosphoSolutions Cat# p195-392, RRID:AB_2492196

<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, R</td>
<td></td>
<td>~53 kDa</td>
</tr>
</tbody>
</table>

Product Description: Affinity purified rabbit polyclonal antibody.

Biological Significance: p53 has a well established role in blocking the proliferative action of damaged cells and acting in essence as an anticancer agent (Sharpless and DePinho, 2002; Yin et al., 1992). It has been called the guardian of the genome (Lane, 1992). Phosphorylation of Ser\(^{392}\) in p53 is associated with formation of human tumors (Saito et al., 2003; Pise-Masison et al., 1998; Kim et al., 2004). In addition, p53 has been linked to effects of aging and oxidative stress (Sharpless and DePinho, 2002). An increase in p53 has also been linked to deficits in LTP and learning and memory (Jiang et al., 1998).

Antigen: Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser\(^{392}\) of human p53.

Antibody Specificity: Specific for endogenous levels of the ~53 kDa p53 protein phosphorylated at Ser\(^{392}\). The immunolabeling is completely eliminated by treatment with \(\lambda\)-phosphatase.

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:


