Datasheet for ABIN6256312

**anti-p53 antibody (pSer392)**

<table>
<thead>
<tr>
<th>Overview</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quantity:</strong></td>
<td>100 μL</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
<td>p53 (TP53)</td>
</tr>
<tr>
<td><strong>Binding Specificity:</strong></td>
<td>pSer392</td>
</tr>
<tr>
<td><strong>Reactivity:</strong></td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td><strong>Host:</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Clonality:</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Conjugate:</strong></td>
<td>This p53 antibody is un-conjugated</td>
</tr>
<tr>
<td><strong>Application:</strong></td>
<td>Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)</td>
</tr>
</tbody>
</table>

**Product Details**

<table>
<thead>
<tr>
<th><strong>Immunogen:</strong></th>
<th>A synthesized peptide derived from human p53 around the phosphorylation site of Ser392.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Specificity:</strong></td>
<td>Phospho-p53 (Ser392) Antibody detects endogenous levels of p53 only when phosphorylated at Serine 392.</td>
</tr>
<tr>
<td><strong>Purification:</strong></td>
<td>The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.</td>
</tr>
</tbody>
</table>

**Target Details**

| **Target:**               | p53 (TP53) |
| **Alternative Name:**     | TP53 (TP53 Products) |
Target Details

Background:
Description: Acts as a tumor suppressor in many tumor types, induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis, the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkln1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis. Regulates the circadian clock by repressing CLOCK-ARNTL/ BMAL1-mediated transcriptional activation of PER2 (PubMed:24051492).

Gene: TP53

Molecular Weight: 53kDa
Gene ID: 7157
UniProt: P04637
Pathways: p53 Signaling, MAPK Signaling, PI3K-Akt Signaling, Apoptosis, AMPK Signaling, Chromatin Binding, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Hepatitis C, Protein targeting to Nucleus, Autophagy, Warburg Effect

Application Details
Restrictions: For Research Use only

Handling
Format: Liquid
Concentration: 1 mg/mL
Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
Handling

glycerol.

Preservative:
Sodium azide

Precaution of Use:
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:
-20 °C

Storage Comment:
Store at -20 °C. Stable for 12 months from date of receipt.

_expiry Date:
12 months

Publications

Product cited in:

Images

Immunohistochemistry

**Image 1.** ABIN6267288 at 1/100 staining mouse liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.
Images

**Immunohistochemistry**

**Image 2.** ABIN6267288 at 1/100 staining rat spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

**Immunohistochemistry**

**Image 3.** ABIN6267288 at 1/100 staining human skin tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the [product details page](#) for more images. Overall 12 images are available for ABIN6256312.