

Datasheet for ABIN7138550  
**anti-p53 antibody (pSer315)**



[Go to Product page](#)

3 Images

## Overview

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                            |
| Target:              | p53 (TP53)                                                                        |
| Binding Specificity: | pSer315                                                                           |
| Reactivity:          | Human                                                                             |
| Host:                | Rabbit                                                                            |
| Clonality:           | Polyclonal                                                                        |
| Conjugate:           | This p53 antibody is un-conjugated                                                |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

|                   |                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Peptide sequence around phosphorylation site of serine 315 (S-S-S(p)-P-Q) derived from Human p53.                                                                                                                                                                |
| Isotype:          | IgG                                                                                                                                                                                                                                                              |
| Cross-Reactivity: | Human                                                                                                                                                                                                                                                            |
| 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 |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | p53 (TP53)                             |
| Alternative Name: | TP53 ( <a href="#">TP53 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Background: 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. Implicated in Notch signaling cross-over.</p> <p>Lu, H. et al. (1997) Mol. Cell. Biol. 17, 5923-5934.</p> <p>Lohrum, M. et.al. (1996) Oncogene 13, 2527-2539.</p> <p>Posp</p> <p>Aliases: Antigen NY-CO-13 antibody, BCC7 antibody, Cellular tumor antigen p53 antibody, FLJ92943 antibody, LFS1 antibody, Mutant tumor protein 53 antibody, p53 antibody, p53 tumor suppressor antibody, P53_HUMAN antibody, Phosphoprotein p53 antibody, Tp53 antibody, Transformation related protein 53 antibody, TRP53 antibody, tumor antigen p55 antibody, Tumor protein 53 antibody, Tumor protein p53 antibody, Tumor suppressor p53 antibody</p> |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">P04637</a> |
|----------|------------------------|

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pathways: | <a href="#">p53 Signaling</a> , <a href="#">MAPK Signaling</a> , <a href="#">PI3K-Akt Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">AMPK Signaling</a> , <a href="#">Chromatin Binding</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Autophagy</a> , <a href="#">Warburg Effect</a> |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Application Details

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Application Notes: | WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200, |
|--------------------|--------------------------------------------------|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

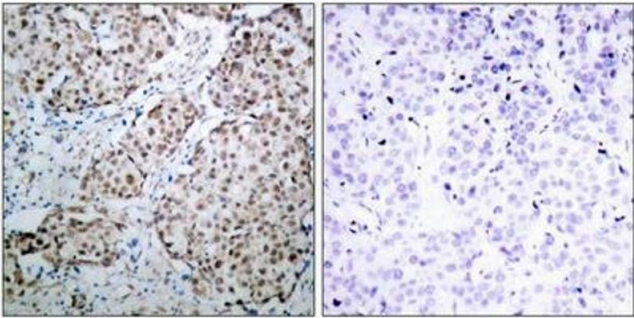
## Handling

|                    |                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                           |
| Buffer:            | Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % 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.                                           |

Handling

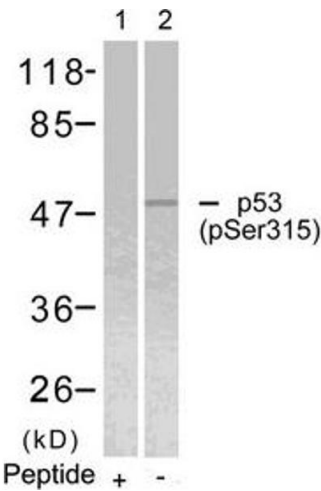
|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Storage:         | -20 °C,-80 °C                                                 |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |

Images



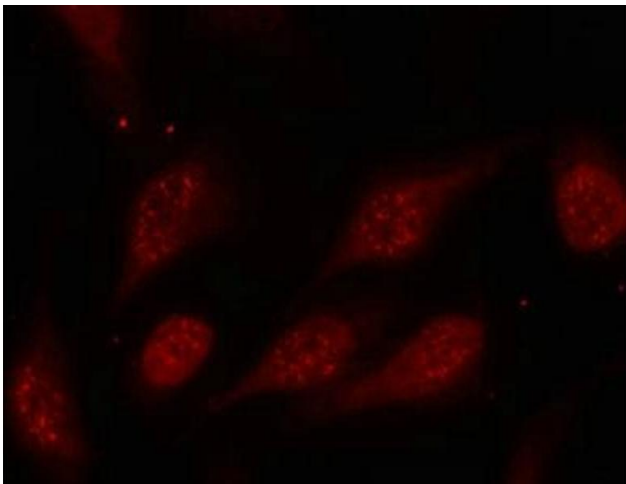
Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p53(Phospho-Ser315) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

**Image 2.** Western blot analysis of extracts from Hela cells using p53(Phospho-Ser315) Antibody(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunofluorescence

**Image 3.** Immunofluorescence staining of methanol-fixed Hela cells using p53(Phospho-Ser315) Antibody.