

Datasheet for ABIN1531939  
**anti-p53 antibody (pSer6)**



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2 Images

## Overview

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                             |
| Target:              | p53 (TP53)                                                                         |
| Binding Specificity: | AA 1-50, pSer6                                                                     |
| Reactivity:          | Human                                                                              |
| Host:                | Rabbit                                                                             |
| Clonality:           | Polyclonal                                                                         |
| Conjugate:           | This p53 antibody is un-conjugated                                                 |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP) |

## Product Details

|               |                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human p53 around the phosphorylation site of Ser6.                                                                                            |
| Isotype:      | IgG                                                                                                                                                                                                               |
| Specificity:  | p53 (Phospho-Ser6) Antibody detects endogenous levels of p53 only when phosphorylated at Ser6.<br>PhosphorylationH:S6                                                                                             |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity:       | > 95 %                                                                                                                                                                                                            |

### Target Details

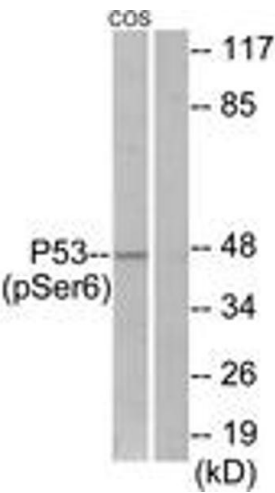
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | p53 (TP53)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alternative Name: | p53 ( <a href="#">TP53 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | Synonyms: Antigen NY-CO-13, Cellular tumor antigen p53, Phosphoprotein p53, TP53, tumor protein p53, Tumor suppressor p53<br>NCBI Gene Symbol: TP53                                                                                                                                                                                                                                                                                                   |
| Molecular Weight: | 43 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene ID:          | 7157                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OMIM:             | 133239                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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 ELISA: 1:10000    |
| Comment:           | Unigene-Number: Hs.654481 (NCBI Gene Symbol: TP53) |
| Restrictions:      | For Research Use only                              |

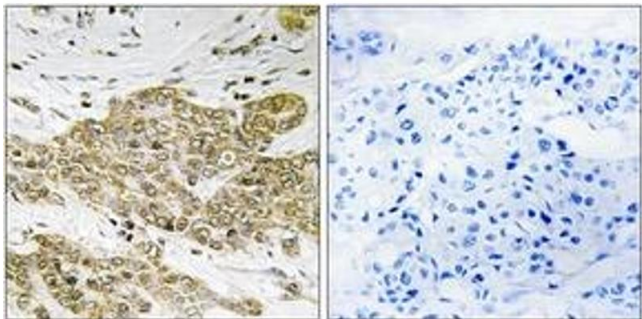
### Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | phosphate buffered saline (without Mg2+ and Ca2+), 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. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |



### Western Blotting

**Image 1.** Western blot analysis of extracts from COS7 cells treated with H<sub>2</sub>O<sub>2</sub> 100uM 30', using p53 (Phospho-Ser6) Antibody. The lane on the right is treated with the synthesized peptide.



### Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using p53 (Phospho-Ser6) Antibody. The picture on the right is treated with the synthesized peptide.