

## anti-Human, Mouse P53 Antibody | anti-p53 antibody

P53 (Phospho-Ser20) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111181</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

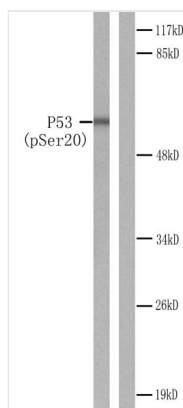
### PRODUCT SYNONYMS

P53; P53 (Phospho-Ser20) Antibody; anti-p53 antibody

### PRODUCT SPECIFICATIONS

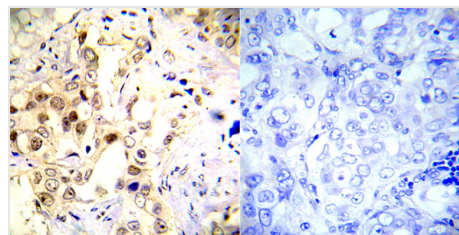
|                                               |                                                                                                                                                                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                   | P53 (phospho-Ser20) antibody detects endogenous levels of P53 only when phosphorylated at serine 20.                                                                                                                                                |
| Purity/Purification                           | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                   | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                               | 393                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-p53 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                     | The antiserum was produced against synthesized phosphopeptide derived from human P53 around the phosphorylation site of serine 20 (T-F-SP-D-L).                                                                                                     |
| Preparation and Storage                       | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from COS7 cells treated with UV. Left: Using P53 (phospho-Ser20) antibody. Right: Using the same antibody preincubated with synthesized peptide.



#### IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using P53 (phospho-Ser20) antibody.

### ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-p53 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                                                                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Wang H, et al. (2008) J Biol Chem 283, 2564-74 Mayo LD, et al. (2005) J Biol Chem 280, 25953-9 Thompson T, et al. (2004) J Biol Chem 279, 53015-22 Hirao, A. et al. (2000) Science 287, 1824-1827. Levine, A.J. (1997) Cell 88, 323-331. Shieh, S.Y. et al. (1997) Cell 91, 325-334. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 120407068                                                                                      |
| NCBI GeneID                      | 7157                                                                                           |
| NCBI Accession #                 | NP_000537.3                                                                                    |
| NCBI GenBank Nucleotide #        | NM_000546.5                                                                                    |
| UniProt Accession #              | P04637; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98 |
| Molecular Weight                 | 24,401 Da                                                                                      |
| NCBI Official Full Name          | cellular tumor antigen p53 isoform a                                                           |
| NCBI Official Synonym Full Names | tumor protein p53                                                                              |
| NCBI Official Symbol             | TP53                                                                                           |
| NCBI Official Synonym Symbols    | P53; BCC7; LFS1; TRP53                                                                         |
| NCBI Protein Information         | cellular tumor antigen p53                                                                     |
| UniProt Protein Name             | Cellular tumor antigen p53                                                                     |
| UniProt Gene Name                | TP53                                                                                           |
| UniProt Synonym Gene Names       | P53                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/p53/111181>