

## Mouse anti-Human p53 Monoclonal Antibody | anti-p53 antibody

p53 antibody (mAb)(Clone DO1)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                          |
|-----------|-------|------------|---------------------------------------------------------------------------------------|
| AAA59878  | Mouse | Human      | Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation |

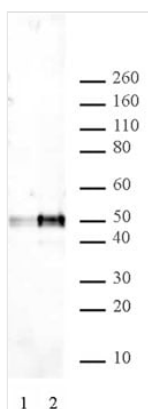
### PRODUCT SYNONYMS

p53; Monoclonal Antibody; p53 antibody (mAb)(Clone DO1); TP53; BCC7; LFS1; TRP53; anti-p53 antibody

### PRODUCT SPECIFICATIONS

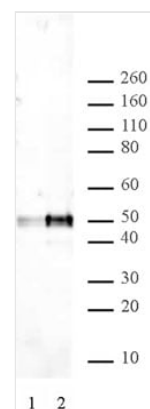
|                                               |                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                     |
| Reactivity                                    | Human                                                                                                                                                                                                                                                                                     |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                                       |
| Clone Number                                  | DO1                                                                                                                                                                                                                                                                                       |
| Purity/Purification                           | Protein G Chromatography                                                                                                                                                                                                                                                                  |
| Form/Format                                   | Purified IgG in 70mM Tris (pH8), 105mM NaCl, 31mM glycine, 0.07mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.                                                                                                                                               |
| Concentration                                 | 1ug/ul (varies by lot)                                                                                                                                                                                                                                                                    |
| Applicable Applications for anti-p53 antibody | WB (Western Blot), IP (Immunoprecipitation), ChIP (Chromatin immunoprecipitation)                                                                                                                                                                                                         |
| Immunogen                                     | This p53 antibody was raised against full-length recombinant human p53 protein.                                                                                                                                                                                                           |
| Preparation and Storage                       | Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul |

### IMAGES



#### WB (Western Blot)

p53 mAb (Clone DO1) tested by Western blot. Western Blot: Nuclear extract of U2OS cells (20 ?g) probed with p53 mAb (Clone DO1) (1 ug/ml). Lane 1: No treatment. Lane 2: Cells treated with camptothecin.



#### WB (Western Blot)

p53 mAb (Clone DO1) tested by Immunoprecipitation. 5 ug of p53 mAb (Clone DO1) was used to immunoprecipitate p53 from 500 ug of camptothecin-treated U2OS nuclear extract (lane 2). 5 ug of mouse IgG was also used as a control (lane 1). The immunoprecipitated protein was detected by western blotting using the same p53 antibody.

## ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-p53 antibody | <p>Short Description: Our p53 antibody (mAb)(Clone DO1) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, Immunoprecipitation and Western blot; it has been shown to react with Human samples.</p> <p>Background: p53 is the most important tumor suppressor in the genome. It is responsive to numerous genotoxic stresses, which activates its transcription factor activity, in turn causing cell-cycle arrest by activating expression of p21 Cip/WAF. Mutant p53 that has lost its DNA-binding function interferes with the activity of native p53 and leads to oncogenic transformation. Alternatively, transformation may be caused by overexpression of Mdm2/Hdm2, a ubiquitin ligase specific for p53, which causes its destabilization. Inactivation of p53 is often coincident with hyperactivation of NFkB (NFkB p50 and NFkB p65), both of which serve to inhibit apoptosis.</p> |
| Product Categories/Family for anti-p53 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 120407068                                                                                                                                          |
| NCBI GeneID                      | 7157                                                                                                                                               |
| NCBI Accession #                 | NP_000537; AB_2793254                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_000546                                                                                                                                          |
| UniProt Accession #              | Q3LRW4; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98; P04637                                             |
| 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; antigen NY-CO-13; mutant tumor protein 53; p53 tumor suppressor; phosphoprotein p53; transformation-related protein 53 |
| UniProt Protein Name             | Cellular tumor antigen p53                                                                                                                         |
| UniProt Gene Name                | <b>TP53</b>                                                                                                                                        |
| UniProt Synonym Gene Names       | P53                                                                                                                                                |
| UniProt Entry Name               | P53_HUMAN                                                                                                                                          |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/p53-antibody-clone-do1-western-blot-immunoprecipitation-chromatin-immunoprecipitation-elisa/59878>