

Anti-p53 Antibody [DO-7] (A250180)

Specifications:

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|------------------------|---|
| Name: | Anti-p53 Antibody [DO-7] |
| Description: | Mouse monoclonal [DO-7] antibody to p53. |
| Specificity: | This antibody recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild form of p53. Its epitope maps within the N-terminus (aa 37-45) of p53. Monoclonal antibody PAb1801 does not block the binding of DO-7 MAb to p53 in an ELISA test. p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma. |
| Applications: | WB, IHC-P |
| Recommended Dilutions: | WB: 1-2 µg/ml, IHC-P: 0.25-0.5 µg/ml |
| Reactivity: | Human, Monkey, Bovine |
| Immunogen: | Recombinant human wild type p53 protein expressed in E. coli. |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | DO-7 |
| Isotype: | IgG2b |
| Light Chains: | kappa |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 200 µg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |

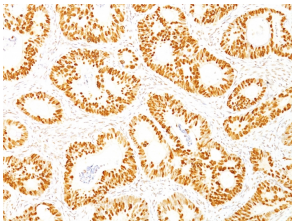
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Specifications continued:

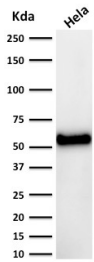
General Notes: This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-p53 Antibody [DO-7] - BSA and Azide free (A253360).

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

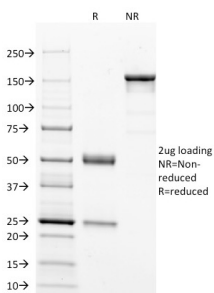
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma using Anti-p53 Antibody [DO-7].



Western blot analysis of human HeLa cell lysate using Anti-p53 Antibody [DO-7].



SDS-PAGE analysis of Anti-p53 Antibody [DO-7] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.