



Mouse anti p53 Monoclonal Antibody

Alternative Name(s): Tumor protein p53; TP53; tumor suppressor phosphoprotein p53

Order Information

- **Description:** p53
- **Catalogue:** 500-6774
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** DO-7
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt,

ANTIGEN PREPARATION

The recombinant protein of human P53 protein.

BACKGROUND

P53, also known as protein 53, or tumor suppressor protein 53, plays important roles in cellular response to DNA damage and other genomic aberration. Mutations in the p53 tumor suppressor gene giving rise to mutant p53 proteins are among the most common genetic alterations associated with tumor cells. P53 protein is phosphorylated at multiple sites in vivo and in vitro in response to different stimuli. UV caused DNA damage can induce Ser9, Ser15, Ser20 phosphorylation while ATM, ATR, DNA-PK at Ser15 and Ser37.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes P53 human, mice and rat . The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 53.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

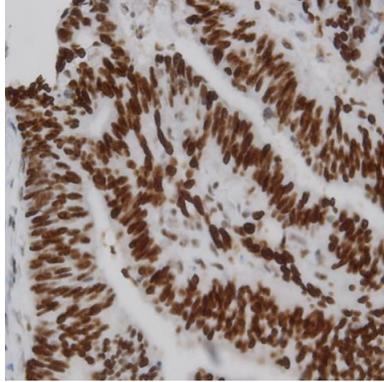
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: The human breast cancer tissue (FFPE) stained with Mouse anti P53 monoclonal antibody (Cat#500-6774) at 1:500. (Note: formalin-fixed, paraffin-embedded sections need 15 minutes heat-induced epitope retrieval in 10 mM citrate buffer, pH 6.0, and 30 minutes incubation at room temperature with the primary antibody).

REFERENCES

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