

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-1758: Monoclonal Antibody to p53 Tumor Suppressor Protein(Clone: D0-7)(Discontinued)

Clonality: Monoclonal

Clone Name: DO-7

**Application :** FACS,IF,WB,IHC

**Reactivity:** Human, Monkey, Bovine

Gene: TP53
Gene ID: 7157
Uniprot ID: P04637
Format: Purified
Alternative Name: TP53,P53
Isotype: Mouse IgG2b

Immunogen Information: Recombinant human wild type p53 protein expressed in E. coli.

## **Description**

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.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (0.5-1 $\tilde{A}$ | $\hat{A}\mu g/million$  cells in 0.1ml); Immunofluorescence (0.5-1 $\tilde{A}$ | $\hat{A}\mu g/ml$ ); Western Blot (0.5-1.0 $\tilde{A}$ | $\hat{A}\mu g/ml$ ); Immunohistology (Formalin-fixed) (0.25-0.5 $\tilde{A}$ | $\hat{A}\mu g/ml$  for 30 minutes at RT); (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes); Optimal dilution for a specific application should be determined.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with p53 Monoclonal Antibody (DO-7)  $\,$