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Bhubaneswar, Odisha - 751024, INDIA

36-1760: Monoclonal Antibody to p53 Tumor Suppressor Protein(BP53-12 + DO-7)

Clone Name : Monoclonal

BP53-12 + DO-7

Application : IHC,FACS,WB,IF

Reactivity: Human
Gene: TP53
Gene ID: 7157
Uniprot ID: P04637
Format: Purified
Alternative Name: TP53,P53

Isotype: Mouse IgG2a, kappa + Mouse IgG2b, kappa

Immunogen Information: Recombinant human wild-type p53 protein (BP53-12) & Recombinant human wild type p53 protein

expressed in E. coli (DO-7)

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 under denaturing and non-denaturing conditions. Its epitope maps within the N-terminus (aa 20-25) of p53 oncoprotein. 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:

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 (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



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Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with p53 Monoclonal Antibody (BP53-12 + DO-7)

