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p53, clone BP53.124
Monoclonal Antibody

Catalog No.: MON 7015

Quantity: 100 μg

Specificity
P53 protein is thought to act as a tumor suppressor gene. Mutation of p53 may represent the most common genetic event in human malignancy. The overexpression and accumulation of p53 in cell nucleus was reported for a number of human tumors, such as breast, lung and colon carcinomas. P53 overexpression may be an useful tumor and prognostic marker.
This antibody reacts with both wild and mutant p53.
Immunogen: recombinant human p53 protein.

Immunoglobulin type
Murine IgG_{2a}

Use
For use in immunohistochemistry, immunoblotting and immunoprecipitation techniques.
Applications:
- Research of p53 tumor supressor gene function and abnormalities in cancer
- Detection of p53 overexpression/mutations in clinical specimens, association of p53 abnormalities with higher grade tumors
- Studies as a possible marker indifferential diagnosis and prognosis of p53 positive versus p53 negative human tumors

Instructions for use
Frozen sections and cultured cells, fixation methanol/acetone 1:1, for 10 min. at -20EC. Paraffin sections fixation - cold formol saline, methacarn. Advised working dilution 1:10.

Presentation
1 ml tissue culture supernatant with 0.1% sodium azide.

Literature

- Bartková, J., et al., 1990, Int. J. Cancer *46*, 839-844.
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- Harlow, et al., 1981, J. Virol. *39*, 861-870.
- Gannon, J.V., et al., 1990, EMBO J. *9*, 1595-1602.
- Banks, L., et al., 1986, Eur. J. Biochem. *159*, 529-534.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.

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