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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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p53 (a.a. 371-380). Mouse Monoclonal Antibody

BACKGROUND

p53 is a 53 kDa transcription factor that can inhibit cell cycle progression or induce apoptosis in response to stress or DNA damage. Disruption of the p53 signalling pathway through various mechanisms is the most common alteration in human cancer occurring in over half of all tumors. The p53 protein is short lived and expressed at low levels in normal cells but accumulates and/or is activated in cells that have undergone genotoxic damage or oncogene activation. Many tumor derived and transformed cell lines express elevated levels of mutant p53 protein. Other genes also implicated in the downstream effects as a result of p53 activation are: p21WAF1, GADD45, 14-3-3, bax, Fas/APO1, KILLER/ DR5, Tsp1, IGF-BP3 and others.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from immunized with full length mouse p53 protein and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

Breast or colon carcinoma

COMMENTS

This antibody can be used for Western blotting (5-10 $\mu\text{g/ml}$), immunohistochemistry on frozen and formalin/paraffin embedded tissues (1-2 $\mu\text{g/ml}$) and immunoprecipitation (2 $\mu\text{g/mg}$ of protein lysate). Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1494M

SIZE

100 μg

FORM

Unconjugated

HOST/CLONE

Mouse Clone Pab122

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG2b

APPLICATIONS

Immunoprecipitation, Flow Cytometry, Immunofluorescence

SPECIES REACTIVITY

Human, Mouse, Rat, Monkey, Hamster

ACCESSION NUMBER

,

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Zeng, X., et al. UV but not gamma irradiation accelerates p53-induced apoptosis of teratocarcinoma cells by repressing MDM2 transcription. *Cancer Res.* 2000, 60, 6184-6188
2. Hussain, S.P., et al. p53 tumor suppressor gene: at the crossroads of molecular carcinogenesis, molecular epidemiology and human risk assessment. *Ann. N.Y. Acad. Sci.* 2000, 919, 79-85
3. Hellin, A.C., et al. Roles of Nuclear Factor-kappaB, p53 and p21/WAF1 in Daunomycin-induced cell cycle arrest and apoptosis. *J. Pharmacol. Exp. Ther.* 2000, 295, 870-878