

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten! 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 occuring 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.

ORDERING INFORMATION

CATALOG NUMBER

X1493M

SIZE

100 μg **F**ORM

Unconjugated

Onoonjugate

HOST/CLONE

Mouse Clone HR231

FORMULATION

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

CONCENTRATION

See vial for concentration

Isotype IgG2b

APPLICATIONS

ELISA, Western Blot, Immunoprecipitation, Immunohistochemistry

SPECIES REACTIVITY

Human, Monkey, Mouse, Rat

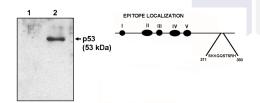
ACCESSION NUMBER

Human Q9BRQ8 Mouse Q8BUE4

IMMUNOGEN

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

Western blot analysis using p53 cln HR231 antibody at 1 μ g/ml on native H1299 cells (1) and H1299 cells transfected with human p53. Also shown is a graphic representation of the epitope location.



Positive Control/Tissue Expression

Breast or colon carcinoma cells

COMMENTS

This antibody can be used for Western blotting (1-5 μ g/ml), immunoprecipitation, ELISA and immunohistochemistry. Optimal concentration should be evaluated by serial dilutions.

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

PRODUCT SPECIFIC REFERENCES