



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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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.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1493M

**SIZE**

100 µg

**FORM**

Unconjugated

**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 cIn HR231 antibody at 1 µg/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  $\mu\text{g/ml}$ ), 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  $-20^{\circ}\text{C}$ . 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**