



## Peninsula Laboratories, LLC

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### Monoclonal Antibody to Human p53 Tumor Suppressor Gene Product

Monoclonal antibody BP53-12 recognizes mutant as well as wild-type p53 antigen (peptides 5 and 6). It is suitable in the research of p53 tumour suppressor gene function, in the detection of p53 expression and/or mutation in clinical specimens. The antibody is applicable as a possible marker in the differential diagnosis of p53 positive versus p53 negative human tumours.

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<b>Product Number:</b>	T-1319
<b>Clone:</b>	BP53-12
<b>Host species, isotype:</b>	Mouse IgG2a
<b>Quantity:</b>	200µg
<b>Format:</b>	Diluted ascites, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% sodium azide as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC).  <b>Approximate working dilution for IHC:</b> Frozen sections: 2µg/ml (1:200) Paraffin sections: 4µg/ml (1:100); microwave pretreatment for antigen retrieval is recommended.  Optimal dilutions should be determined by the end user.  Suggested positive control: Human p53 positive tumours.

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#### Selected references

Bártková, J. et al.: Int. J. Cancer **46**, 839 (1990)

Bártek, J. et al.: Oncogene **6**, 1699 (1991)

Kovarík, J. et al.: Oncology **8**, 39 (1993)

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.