

Datasheet



Mouse mAb to **p53**
Clone **PAb122**
Isotype **IgG2b-κ**

Source

A BALB/c mouse was immunized with SV40 infected 3T3 cells, 3T3/SV40 clone 4 (B4).
Fusion partner: P3-X63-Ag8-NS1.

Specifications

PAb 122 binds to the C-terminus (aa370-378) of both wild type and mutated p53. When microinjected into nuclei, PAb 122 blocked re-entry into the S-phase of the cell cycle. Mutation and/or allelic loss of p53 is one of the causes of a variety of mesenchymal and epithelial tumors. p53 Localizes in the nucleus, but is detectable at the plasma membrane during mitosis and when certain mutations modulate cytoplasmic/nuclear distribution.

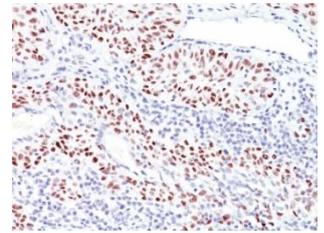


Figure 1: Human bladder cancer stained for p53 (DAB)

Species reactivity

Positive: dog, human, monkey, mouse, rat.
Negative: hamster.

Applications

PAb122 epitope is irretrievably destroyed by formalin fixation and routine paraffin embedding. PAb122 can be used in immunofluorescence tests.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	-

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow Cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (0,5-1,0 µg /ml for 30 min at RT; an antigen retrieval method for formalin-fixed tissues is unavailable for this antibody).

Positive control

Paraffin sections of normal human breast. MDA231 cells.

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References

- Gurney et al, *J. Virol.* **34(3)**: 752-763, (1980).
- Tack et al, *J. Virol.* **58(2)**: 635-45, (1986).