

Monoclonal Mouse Antibody to Human p53 Protein

Description:

Immunogen:	Recombinant human wild type p53 protein.
Clone:	DO-1.
Isotype:	IgG2a
Format:	This antibody has been pretitrated and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	This antibody reacts with an amino terminal epitope (residue 37-45) of human wt and mutant p53. p53 has been classified as a tumor suppressor gene or anti-oncogene. Presence of excess amounts of the mutant form of the protein can lead to functional inactivation of wild type p53. Mutations and allelic loss of the p53 gene have been associated with malignant transformation in a wide variety of human tumors.

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. Proteolytic digestion of tissue sections is required prior to immunostaining. Although not required, microwave treatment, considerably enhances the immunostaining in formalin-fixed tissues.

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

- i) Nigro et al. Nature 342: 705, 1989.
- ii) Cattoretti et al. Int J Cancer 41: 178, 1988.
- iii) Bartek et al. Oncogene 6: 1699, 1991.
- iv) Malkin et al. Science 250: 1233, 1990.