

# Monoclonal Mouse Antibody to Human p53 Protein (Cocktail)

## Description:

Immunogen:	Human p53/B-galactosidase fusion protein and wild type p53 protein expressed in E. coli.
Clone:	PAb 1801 & DO-7.
Isotype:	IgG <sub>1</sub> & IgG <sub>2b</sub> , Kappa.
Format:	This antibody has been pretitered 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 wild as well as mutant types of p53 protein. It recognizes an epitope in the N-terminus of p53 protein. p53 is a 53 kD phosphoprotein known as tumor suppressor gene product. About 50% of breast carcinomas are positive for p53 especially those lacking estrogen and/or progesterone receptors. This antibody can be demonstrated in 22-76% of colon, stomach, bladder, breast, lung and testes cancers.

**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) Kohler et al. Cancer Res. 52: 1622, 1992.