



Category: Monoclonal Antibodies
Cat. # V7064
Product Name: p53

Description:
Monoclonal Mouse Anti-Human p53

Immunogen:
Recombinant human p53 protein

Cellular Localization:
Cytoplasmic

Application:
Immunohistochemistry 1:50-1:100.
Flow cytometry 1:150-1:300.
WB 1:100-1:300. The optimum conditions should be determined by the individual lab.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Breast Carcinoma

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4° C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen and formalin-fixed paraffin-embedded (FFPE) tissue sections. An antigen demasking treatment is required (Boiling FFPE tissue sections in 10 mM citrate buffer, pH 6.0 for 10-20 minutes, followed by cooling to RT for 10 mins OR Use pressure cooker for 5 mins) The optimal conditions should be determined by the individual laboratory.

Specificity:
The location of the p53 gene is chromosome 17p31.1. This gene is most frequently mutated in spontaneous cancers. P53 binds to the p53 response element (DNA sequence) and regulates the normal cell growth cycle. It is found mainly in the nucleus, but is found at the plasma membrane during mitosis or when a mutation has changed nuclear distribution.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage

Size: 0.2mg
Clone: B449 (PAB 122)
Isotype: IgG1, k
Host: Mouse
Form: Purified
Mol. Wt. of Antigen: 104-110 kD
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Gurney, et al, J. Virol. 34:750-763, 1980.

For Research Use Only

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com