

p53 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.	Clone No.	Size
34065	G053.1	100ul

Format: Purified antibody in Tris buffer, pH 7.3-7.7, 1% BSA, <0.1% sodium azide.

BACKGROUND

p53, like Retinoblastoma protein, is a tumor suppressor protein. Mutations in p53 are found in most tumor types. p53 protein binds DNA which in turn stimulates another gene to produce a protein called p21 that interacts with a cell division-stimulating protein (cdk2). When p21 is complexed with cdk2 the cell cannot pass through to the next stage of cell division. Mutant p53 can no longer bind DNA in an effective way, and, as a result, the p21 protein is not made available to act as the 'stop signal' for cell division. Thus cells divide uncontrollably, and form tumors.

DESCRIPTION

Antigen: Recombinant human p53.

Accession No.: P04637

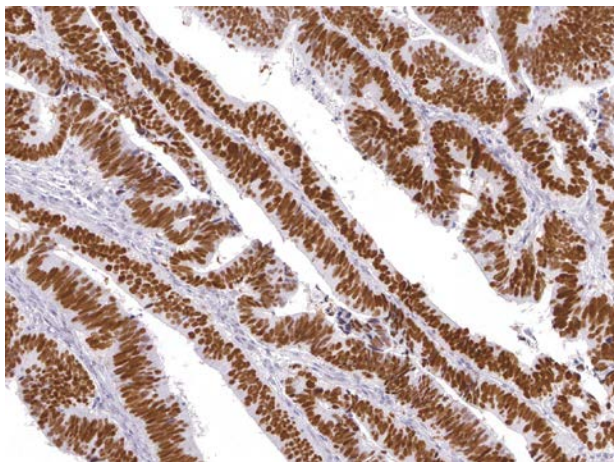
Host: Mouse

Antibody Subtype: IgG2b

Specificity: Human p53. Reactivity with other species has not been investigated.

APPLICATIONS

Immunohistochemistry: use at a dilution of 1:100-1:200 on formalin-fixed, paraffin-embedded samples after heat-induced epitope retrieval at pH 9 for 10-30 minutes.



Detection of p53 in human colon carcinoma with #34065 diluted 1:100-1:200.

STORAGE AND STABILITY

Store at 2-8°C. Do not freeze.

For in vitro investigational use only. Not for use in diagnostic or therapeutic applications.