

Mouse Anti-p53 Protein Clone PAb240, Monoclonal Antibody

Catalog No.:	CMP006	Size/Volume:	100 µg/0.5 mL
Description:	This monoclonal antibody recognizes a protein of 53 kDa which is identified as the product of p53 tumor suppressor gene. It reacts with only certain mutant p53 protein under non-denaturing condition in immunoprecipitation but reacts with both mutant and wild form of p53 under denaturing condition in Western blotting. Its epitope maps within the middle region (aa 212-217) of p53. In frozen node-negative breast cancers, immunohistochemical staining with a cocktail of Pab240/1801 was reported to be most strongly associated with overall survival compared with either antibody alone or with other antibodies directed toward p53.		
Isotype:	Mouse IgG ₁		
Formulation:	Purified immunoglobulin in phosphate buffered saline, pH 7.4, with 0.2% bovine serum albumin. Preservative: 0.09% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)		
Purification:	Purified from ascites by Protein G chromatography.		
Immunogen:	Murine p53-beta-galactosidase fusion protein containing p53 sequence from amino acid 14-289.		
Cross-reactivity:	Human, mouse, rat, hamster, monkey, cow, pig, and chicken. Other species were not determined.		
Applications:	This antibody is suitable for use in flow cytometry, immunoprecipitation, Western blotting and immunohistochemistry with cryostat, methacarn-fixed/paraffin embedded, or formalin-fixed/paraffin embedded tissue sections. Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA, pH 8, for 10-20 minutes followed by cooling at room temperature for 20 minutes.		
Working Dilutions:	For immunoprecipitation use 10 µL/mg of cell lysate, for Western blotting use 1:200-1:400 dilution, and for immunohistology 1:50-1:100 is recommended. The optimal antibody concentration should be determined for each specific application.		
Storage:	Store at 2-8°C. For long term storage, aliquot into small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.		
Positive Control:	CEM human leukemia cells for Western blotting. For immunohistochemistry, about 50% of human breast carcinomas are p53 positive, especially those lacking estrogen and/or progesterone receptor, or with high proliferation index.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences, Inc.
480 Neponset Street
Building 12A
Canton, MA 02021

Toll Free: 888 769-1246
Phone: 781 828-0610
Fax: 781 828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com