P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

p53 Protein

Availability/Contents:

Item #	Volume
A20027	2 ml
A00027	6 ml
A00027.25	25 ml

Description:

Species:	Mouse
Immunogen:	Recombinant human wild type p53 protein.
Clone:	DO-1
Isotype:	IgG2a
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 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.
Species Reactivity:	Human, Bovine, Monkey. Reacts slightly with Mouse and Rat. Others not tested.
Positive Control:	Colon Carcinoma
Cellular Localization:	Nuclear
Titer/Working Dilution:	No further dilution is required.
Microbiological State:	This product is not sterile.

Uses/Limitations:

For In Vitro Diagnostic Use.
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
Do not use past expiration date.

Storage and Stability:

2-8º Centigrade.
Product is stable for 24 months from date of manufacture.
If reagent is not stored as recommended, performance must be validated by the user.

Procedure:

1. Tissue Section Pretreatment: Staining of formalin fixed, paraffin embedded tissue sections is enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500) or 10mM citrate buffer, pH 6.0 (ScyTek Catalog# CBB500, see IFU for instructions). Enzymatic predigestion with Pepsin (ScyTek catalog# PSS060, see IFU for instructions) is recommended prior to staining.

2. Primary Antibody Incubation Time: 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.

Storage: 2°C – 8°C

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CE IVD

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3. Visualization: For maximum staining intensity we recommend the "Retrieval HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# RPL125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions:

Contains Sodium Azide as a preservative (0.09% w/v).
Do not pipette by mouth.
Avoid contact of reagents and specimens with skin and mucous membranes.
Avoid microbial contamination of reagents or increased nonspecific staining may occur.
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. Nigro et al. Nature 342: 705, 1989.
2. Cattoretti et al. Int J Cancer 41: 178, 1988.
3. Bartek et al. Oncogene 6: 1699, 1991.
4. Malkin et al. Science 250: 1233, 1990.

Warranty:

No products or "Instructions For Use (IFU)" are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

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