

p53 (Clone SP5)**Rabbit Monoclonal Antibody****Cat. #RM-9105-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)****Cat. #RM-9105-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)****Cat. #RM-9105-RQ (12.0ml) (Ready-to-Use for Immunohistochemistry)**

Please note this data sheet has been changed effective February 20, 2017

Description: p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to mdm2, SV40 T antigen and human papilloma virus E6 protein p53 senses DNA damage and possibly facilitating repair. Mutation involving p53 is found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.

Comments: Clone SP5 is excellent for staining of formalin/paraffin with no special pretreatment.

Mol. Wt. Of Antigen: 53kDa

Epitope: Not determined

Ig Isotype: Rabbit IgG

Species Reactivity: Human. Others not tested.

Clone Designation: SP5

Immunogen:

Recombinant human full-length wild type p53 protein.

Applications and Suggested Dilutions:

- Western blotting (1:25)
 - Immunohistology (Formalin/paraffin)
- Use Ab 1:100 for 20 min using UltraVision LP Detection Systems

* [No pretreatment is necessary, however staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.]

Use Ab 1:200 for 20 min using UltraVision Quanto Detection Systems

- * Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]
- Western Blotting (Use Ab 40µl/ml at RT for 2h)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: MDA-231 cells, Colon carcinomas

Cellular Localization: Nuclear

Supplied As:

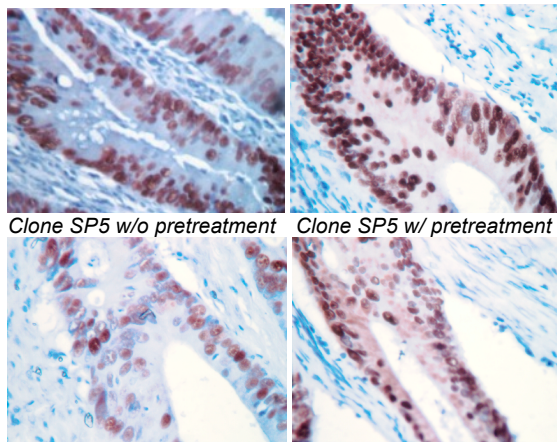
Tissue culture supernatant with 15mM sodium azide.

or

Prediluted antibody which is ready-to-use for immunohistochemistry.

Storage and Stability: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Colon Carcinoma



Clone SP5 w/o pretreatment Clone SP5 w/ pretreatment
Clone DO-7 w/o pretreatment Clone DO-7 w/ pretreatment

Limitations and Warranty:

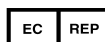
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.



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Cat. #RM-9105-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)

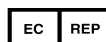
Cat. #RM-9105-RQ (12.0ml) (Ready-to-Use for Immunohistochemistry)

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For Research Use Only



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