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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-P53 Antibody [Pab 1801]

Mouse Anti-Human p53 Monoclonal IgG1  
Catalog No. SMC-183



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

p53 Antibody

### Description

Mouse Anti-Human p53 Monoclonal IgG1

### Species Reactivity

Human

### Applications

WB, IHC, IP, ELISA, RIA, FCM

### Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Human

### Immunogen

Fusion protein (Human), amino acids 46-53

### Concentration

1 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

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### Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

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Protein G Purified

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**Clonality**

Monoclonal

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**Clone Number**

Pab 1801

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**Isotype**

IgG1

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**Specificity**

Detects ~53kDa.

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**Cite This Product**

Mouse Anti-Human p53 Monoclonal, Clone Pab 1801 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-183)

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**Certificate Of Analysis**

1 µg/ml of SMC-183 was sufficient for detection of p53 in 10 µg of HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

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**Biological Description**

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**Alternative Names**

P53 Antibody, LFS1 Antibody, TRP53 Antibody, FLJ92943 Antibody, TP53 Antibody, p53 Tumor Suppressor Antibody, Phosphoprotein p53 Antibody, TP53 Antibody, Transformation related protein 53 Antibody, TRP53 Antibody, Tumor protein p53 Antibody

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**Research Areas**

Cancer, Apoptosis, Cell Signaling, Epigenetics, Oxidative Stress

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**Cellular Localization**

Cytoplasm, Endoplasmic Reticulum, Nucleus, PML body

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**Accession Number**

NP\_000537.3

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**Gene ID**

7157

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**Swiss Prot**

P04637

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**Scientific Background**

The p53 protein (tumor protein 53 or TP53) is a DNA-binding cell cycle-regulating transcription factor that governs cell division and the fine balance between cell death and cell survival (1). P53 plays a critical role in tumor suppression and hence it is often described as "the guardian of the genome", "the guardian angel gene", or the "master watchman." This also refers to its role in conserving stability by preventing genome mutation (2). Defects in p53 are linked to >50% of human cancers, and restoring p53 function to these cancer cells can induce growth arrest and apoptosis (3). When p53 has been damaged, it can also lead to autoimmune disorders (4, 5).

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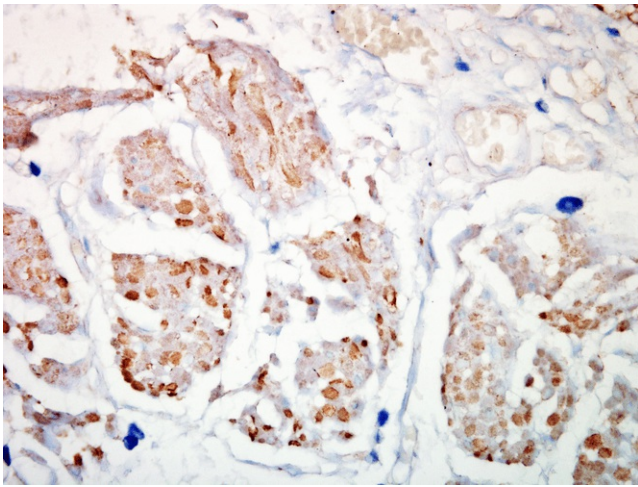
**References**

1. Georescu C.V., Saftoiu A., Georgescu C.C., Ciurea R. and Ciurea T. (2007) J Gastrointestin Liver Dis. 16(2): 133-9.

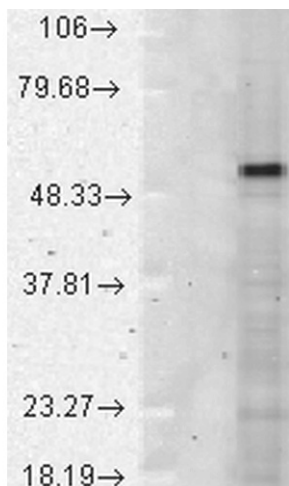
2. Strachan T., et al. (1999) Human Molecular Genetics 2. Ch. 18: Cancer Genetics.
3. Hansen J.E., et al. (2007) Cancer Research 67: 1769-1774.
4. Di Cesare E., et al. (2001) Ann Clin Lab Sci 31: 253-8.
5. Akere A., Otegbayo J.A. (2007) Singapore Med J. 48(1): 41-4.

## Product Images

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Immunohistochemistry analysis using Mouse Anti-p53 Monoclonal Antibody, Clone Pab1801 (SMC-183). Tissue: esophagus cancer cells. Species: Human. Primary Antibody: Mouse Anti-p53 Monoclonal Antibody (SMC-183) at 1:50000. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown). Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain.



Western Blot analysis of Human HeLa cell lysates showing detection of p53 protein using Mouse Anti-p53 Monoclonal Antibody, Clone Pab1801 (SMC-183). Load: 15  $\mu$ g protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-p53 Monoclonal Antibody (SMC-183) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.