

p53 Monoclonal Antibody (DO-7)

Product Details	
Size	500 µL
Species Reactivity	Bovine, Human
Published Species	Rat, Human, Mouse
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	DO-7
Conjugate	Unconjugated
Immunogen	Recombinant human wild-type p53 protein expressed in E. coli
Form	Liquid
Concentration	0.05 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_10989883

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:4,000	51 Publications
Immunohistochemistry (IHC)	-	102 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:200	5 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:20-1:200	8 Publications
Flow Cytometry (Flow)	1:50	1 Publication
Immunoprecipitation (IP)	1:50-1:100	3 Publications
ChIP assay (ChIP)	1 µg/mL	-
Miscellaneous PubMed (Misc)	-	5 Publications

Product Specific Information

MA5-12557 targets p53 in FACS, ICC/IF, IHC (P), IP, ChIP, and WB applications and shows reactivity with Human and bovine samples. This antibody is not suitable for mouse colon tissue in IHC applications.

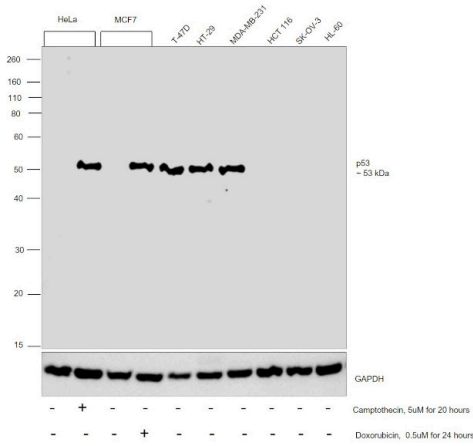
The MA5-12557 immunogen is recombinant human wild-type p53 protein expressed in E. coli.

This antibody was originally validated as part of a Thermo Scientific Cellomics High Content Screening Kit. The antibody sold separately may have slightly different performance and may need to be further optimized for the best results.

Product Images For p53 Monoclonal Antibody (DO-7)

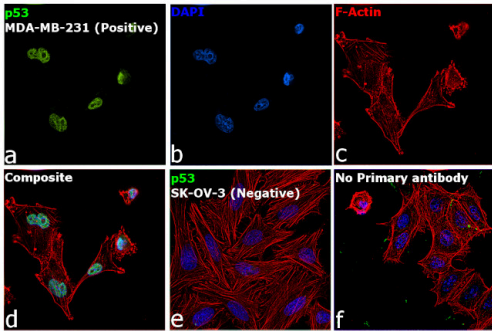
p53 Antibody (MA5-12557)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Cellular tumor antigen p53 was observed in T-47D, HT-29 and MDA-MB-231 which are reported to be positive and not in other cell lines like HCT 116, SK-OV-3 and HL-60 using Anti-p53 Monoclonal Antibody (DO-7) (Product # MA5-12557) in Western Blot. {RE}



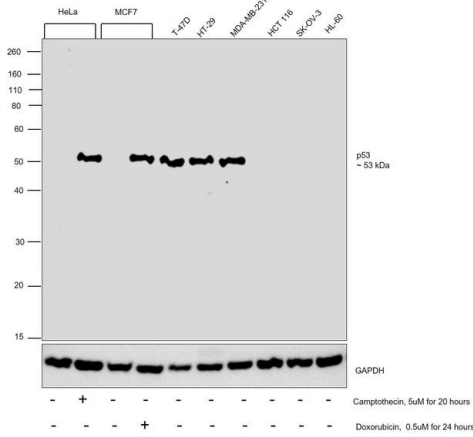
p53 Antibody (MA5-12557)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-p53 Monoclonal Antibody (DO-7) (Product # MA5-12557), shows expression of p53 in MDA-MB-231 when compared to SK-OV-3. {RE}



p53 Antibody (MA5-12557)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using p53 Monoclonal Antibody (DO-7) (Product # MA5-12557), shows induction of proteins in HeLa and MCF7 on Camptothecin and Doxorubicin treatments respectively. {TM}



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Western Blot (51)

Molecular & cellular proteomics : MCP

Nuclear Phosphoproteome Reveals Prolyl Isomerase PIN1 as a Modulator of Oncogene-Induced Senescence.

"Published figure using p53 monoclonal antibody (Product # MA5-12557) in Western Blot"
 Authors: Mohallem R,Aryal UK

Year
2024

Nature communications

Mid-old cells are a potential target for anti-aging interventions in the elderly.

"Published figure using p53 monoclonal antibody (Product # MA5-12557) in Western Blot"
 Authors: Kim YH, Lee YK, Park SS, Park SH, Eom SY, Lee YS, Lee WJ, Jang J, Seo D, Kang HY, Kim JC, Lim SB, Yoon G, Kim HS, Kim JH, Park TJ

Year
2023

[View more WB references on thermofisher.com](#)

Immunohistochemistry (102)

Biology

Modulation Effects of Eugenol on Nephrotoxicity Triggered by Silver Nanoparticles in Adult Rats.

"Published figure using p53 monoclonal antibody (Product # MA5-12557) in Immunohistochemistry"
 Authors: Aboelwafa HR, Ramadan RA, Ibraheim SS, Yousef HN

Year
2022

Oxidative medicine and cellular longevity

The Ameliorative Role of Eugenol against Silver Nanoparticles-Induced Hepatotoxicity in Male Wistar Rats.

"Published figure using p53 monoclonal antibody (Product # MA5-12557) in Immunohistochemistry"
 Authors: Yousef HN, Ibraheim SS, Ramadan RA, Aboelwafa HR

Year
2022

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (5)

IHC (F) (1)

ICC/IF (8)

Flow (1)

IP (3)

Misc (5)

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