

p53 Antibody Cocktail

Product Details

Size	500 µL
Species Reactivity	Human, Mouse, Rhesus monkey
Published Species	Rat, Human, Mouse
Host/Isotype	Mouse / IgG2a/IgG2b
Class	Cocktail
Type	Antibody
Clone	DO-7, BP53-12
Conjugate	Unconjugated
Immunogen	Recombinant human p53 protein
Form	Liquid
Concentration	0.125 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10981528

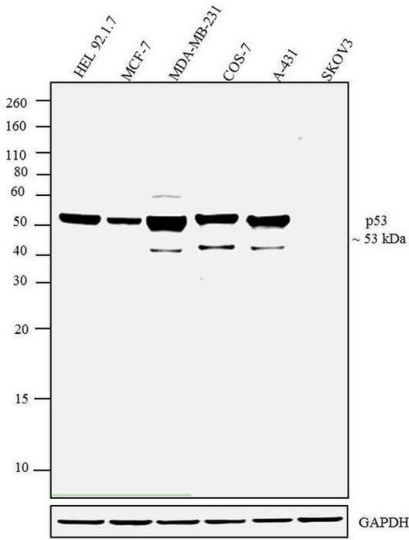
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1.0 µg/mL	33 Publications
Immunohistochemistry (IHC)	-	66 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	4 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	2 µg/mL	4 Publications
ChIP assay (ChIP)	1-3 µg x 10 ⁶ cells	-
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

MA5-14067 targets p53 in IHC (P), IP, and WB applications and shows reactivity with Human samples.

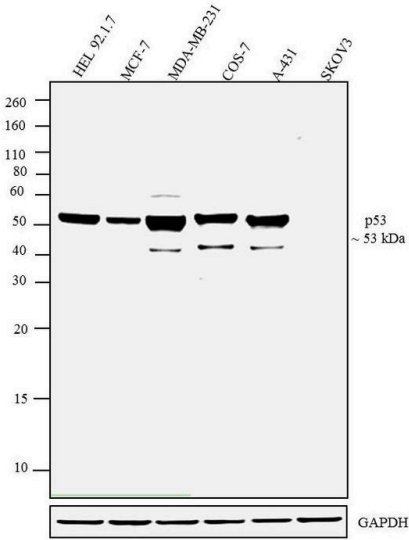
The MA5-14067 immunogen is recombinant human p53 protein.

Product Images For p53 Antibody Cocktail



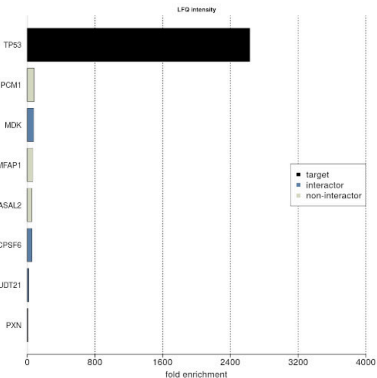
p53 Antibody (MA5-14067) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HEL 92.1.7 (Lane 1), MCF-7 (Lane 2), MDA-MB-231 (Lane 3), COS-7 (Lane 4), A431 (Lane 5), and SKOV3 (Lane 6). The blots were probed with Anti-p53 Mouse Monoclonal Antibody (Product # MA5-14067, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 53 kDa band corresponding to p53 was observed across cell lines tested except SKOV3. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



p53 Antibody (MA5-14067)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Expression of p53 was observed in all cell models tested except for SKOV-3, which is an established p53 null cell line, using p53 Mouse Monoclonal Antibody (Product # MA5-14067) in western blot. {RE}



p53 Antibody (MA5-14067)

IP-MS enrichment of TP53 (LFQ intensity): TP53 was enriched 2629-fold from BT549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and TP53 antibody (Product # MA5-14067). STRING database was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}

View more figures on thermofisher.cn

Western Blot (33)

PeerJ	Year 2022
Zoledronic acid promotes osteoclasts ferroptosis by inhibiting FBXO9-mediated p53 ubiquitination and degradation.	
"Published figure using p53 cocktail antibody (Product # MA5-14067) in Immunoprecipitation"	
Authors: Qu X,Sun Z,Wang Y,Ong HS	
Neuropathology and applied neurobiology	Year 2021
MicroRNA-34a activation in tuberous sclerosis complex during early brain development may lead to impaired corticogenesis.	
"Published figure using p53 cocktail antibody (Product # MA5-14067) in Western Blot"	
Authors: Korotkov A,Sim NS,Luinenburg MJ,Anink JJ,van Scheppingen J,Zimmer TS,Bongaarts A,Broekaart DWM,Mijnsbergen C,Jansen FE,Van Hecke W,Spliet WGM,van Rijen PC,Feucht M,Hainfellner JA,Kršek P,Zamecnik J,Crino PB,Kotulska K,Lagae L,Jansen AC,Kwiatkowski DJ,Jozwiak S,Curatolo P,Mühlebner A,Lee JH,Mills JD,van Vliet EA,Aronica E	

View more WB references on thermofisher.cn

Immunohistochemistry (66)

Journal of Cancer	Year 2020
Clinicopathological Analysis of HIF-1alpha and TERT on Survival Outcome in Glioblastoma Patients: A Prospective, Single Institution Study.	Species Human
"MA5-14067 was used in Immunohistochemistry to investigate the association of immunohistochemical expression of hypoxia inducible factor-1 alpha (HIF-1), telomerase reverse transcriptase (TERT), isocitrate dehydrogenase 1 (IDH1) and tumor protein p53 with overall survival (OS) in glioblastoma patients."	
Authors: Potharaju M,Mathavan A,Mangaleswaran B,Patil S,John R,Ghosh S,Kalavakonda C,Ghosh M,Verma RS	
Turkish neurosurgery	Year 2018
The Correlation Between 1p/19q Codeletion, IDH1 Mutation, p53 Overexpression and Their Prognostic Roles in 41 Turkish Anaplastic Oligodendroglioma Patients.	Species Human
"MA514067 was used in immunohistochemistry to correlate 1p/19q codeletion, IDH1 mutation and p53 protein overexpression with prognosis in Turkish anaplastic oligodendroglioma patients treated with adjuvant radiotherapy and temozolomide chemotherapy"	
Authors: Hacisalihoglu P,Kucukodaci Z,Gundogdu G,Bilgic B	

View more IHC references on thermofisher.cn

More applications with references on thermofisher.cn

- IHC (P) (4)
- ICC/IF (4)
- ELISA (1)
- IP (4)
- Misc (2)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.