

p53 Monoclonal Antibody (X77)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Xenopus
Published Species	Xenopus
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	X77
Conjugate	Unconjugated
Immunogen	Full-length recombinant Xenopus p53
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A/G
Storage buffer	PBS
Contains	0.08% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_1077421

Applications	Tested Dilution	Publications
Western Blot (WB)	1-10 µg/mL	3 Publications
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

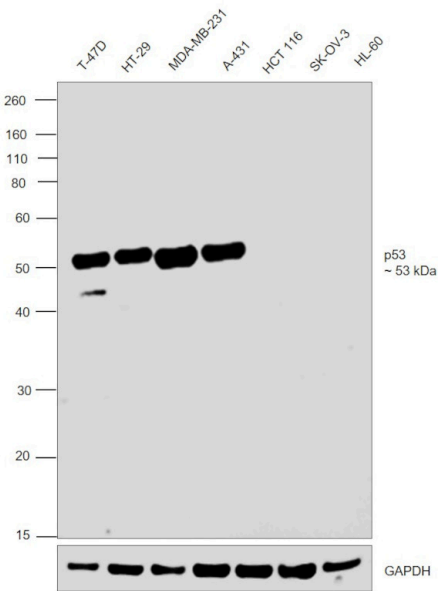
Product Specific Information

A suggested positive control for this product is HCT116 cell lysate.

Product Images For p53 Monoclonal Antibody (X77)

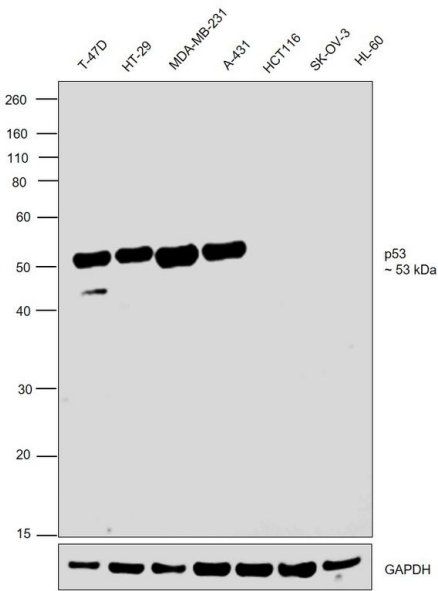
p53 Antibody (MA1-12549)

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, MDA-MB-231 and A-431 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 (X77) (Product # MA1-12549) in Western Blot. {RE}



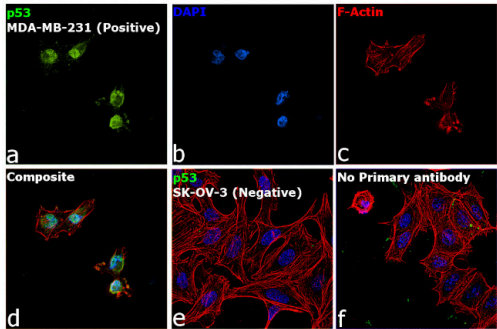
p53 Antibody (MA1-12549) in WB

Western blot was performed using Anti-p53 Monoclonal Antibody (X77) (Product # MA1-12549) and a 53 kDa band corresponding to Cellular tumor antigen p53 was observed across cell lines except HCT 116, SK-OV-3 and HL-60 which are reported to be negative. Modified whole cell extracts (1%SDS) (30 µg lysate) of T-47D (Lane 1), HT-29 (Lane 2), MDA-MB-231 (Lane 3), A-431 (Lane 4), HCT 116 (Lane 5), SK-O-V3 (Lane 6) and HL-60 (Lane 7) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (2 µg/mL) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



p53 Antibody (MA1-12549)

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 (X77) (Product # MA1-12549), shows expression of p53 in MDA-MB-231 when compared to SK-OV-3. {RE}



View more figures on thermofisher.com

Western Blot (3)

<p>Journal of cellular and molecular medicine</p> <p>The HIF-1/p53/miRNA-34a/Klotho axis in retinal pigment epithelial cells promotes subretinal fibrosis and exacerbates choroidal neovascularization.</p> <p>"Published figure using p53 monoclonal antibody (Product # MA1-12549) in Western Blot"</p> <p>Authors: Xie L,Wang Y,Li Q, Ji X,Tu Y,Du S,Lou H,Zeng X,Zhu L,Zhang J,Zhu M</p>	<p>Year 2021</p>
<p>PLoS genetics</p> <p>Paired Box 9 (PAX9), the RNA polymerase II transcription factor, regulates human ribosome biogenesis and craniofacial development.</p> <p>"MA1-12549 was used in Western Blotting to reveal another connection between craniofacial development and making ribosomes through the protein Paired Box 9 (PAX9)."</p> <p>Authors: Farley-Barnes KI,Deniz E,Overton MM,Khokha MK,Baserga SJ</p>	<p>Year 2020</p> <p>Species Xenopus</p> <p>Dilution 1:800</p>

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

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.