

MDM2 Monoclonal Antibody (IF2)

Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	IF2
Conjugate	Unconjugated
Immunogen	Human MDM2
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2-7.4, with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2536824

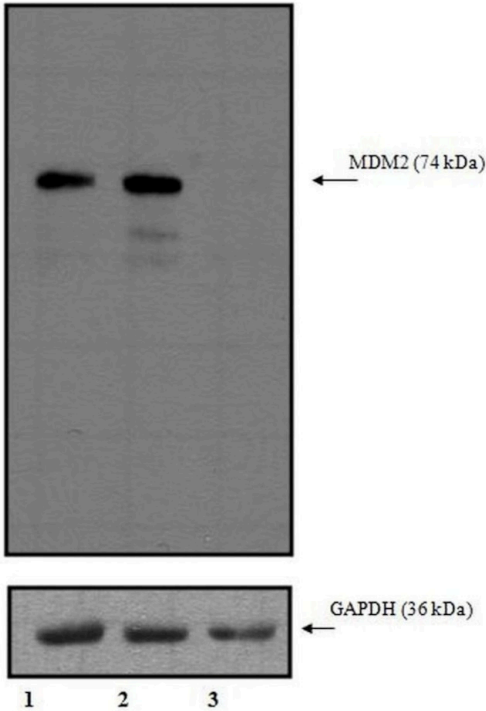
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-2 µg/mL	4 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:500	6 Publications
Immunohistochemistry (Frozen) (IHC (F))	1-5 µg/mL	-
Immunocytochemistry (ICC/IF)	1-5 µg/mL	-
Immunoprecipitation (IP)	1-5 µg/mL	-
RNA Immunoprecipitation (RIP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	6 Publications

Product Specific Information

This antibody recognizes the ~90 kDa (apparent MW) MDM2 protein. Also recognizes isoforms at ~57 and ~74/76 kDa.

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 MDM2 Monoclonal Antibody (IF2)

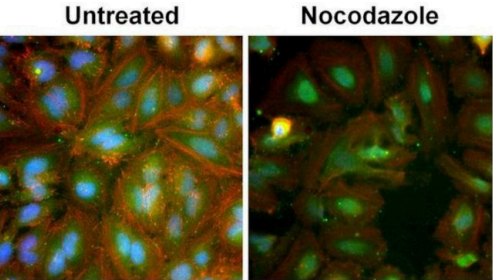


MDM2 Antibody (MA1-113)

The specificity of anti-MDM2 mouse monoclonal antibody (Product # MA1-113) was demonstrated by siRNA knockdown. Western blot analysis of A549 extracts using this antibody showed decreased level of MDM2 protein expression in cells transfected with MDM2 specific siRNA (lane 3) but not in controls (lane 1 and 2). {KD}

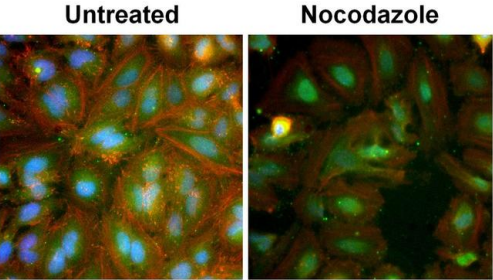
MDM2 Antibody (MA1-113) in ICC/IF

Immunofluorescent analysis of MDM2 (green) in HeLa cells either left untreated (left panel) or treated with 50nM Nocodazole (right panel) for 16 hours. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature and blocked with 3% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a MDM2 monoclonal antibody (Product # MA1-113) at a concentration of 1 µg/mL for at least 1 hour at room temperature, washed with PBS, and incubated with a Goat anti-Mouse IgG (H+L) Superclonal Secondary Antibody, Alexa Fluor 488 conjugate (Product # A28175) at a dilution of 1:400 for 30 minutes at room temperature. Actin (red) was stained with DyLight 554 Phalloidin (Product # 21834) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan or ToxInsight Instrument at 20X magnification.



MDM2 Antibody (MA1-113)

The specificity of mouse anti-MDM2 monoclonal antibody (Product # MA1-113) was demonstrated by the detection of MDM2 translocation from cytoplasm to nucleus in HeLa cells upon treatment with Nocodazole, which is known to disrupt microtubules leading to the translocation of MDM2 to the nucleus. {TM}



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Western Blot (4)

<p>EMBO reports</p> <p>PIDDosome-induced p53-dependent ploidy restriction facilitates hepatocarcinogenesis.</p> <p>"Published figure using MDM2 monoclonal antibody (Product # MA1-113) in Western Blot"</p> <p>Authors: Sladky VC,Knapp K,Szabo TG,Braun VZ,Bongiovanni L,van den Bos H,Spierings DC,Westendorp B,Curinha A,Stojakovic T,Scharnagl H,Timelthaler G,Tsuchia K,Pinter M,Semmler G,Fojer F,de Bruin A,Reiberger T,Rohr-Udilova N,Villunger A</p>	<p>Year 2020</p> <p>Species Human</p>
<p>Molecular cell</p> <p>Cancer Cells Employ Nuclear Caspase-8 to Overcome the p53-Dependent G2/M Checkpoint through Cleavage of USP28.</p> <p>"MA1-113 was used in Immunocytochemistry to identify a non-canonical role of caspase-8 exploited by cancer cells to override the p53-dependent G2/M cell-cycle checkpoint."</p> <p>Authors: Müller I,Strozyk E,Schindler S,Beissert S,Oo HZ,Sauter T,Lucarelli P,Raeth S,Hausser A,Al Nakouzi N,Fazli L,Gleave ME,Liu H,Simon HU,Walczak H,Green DR,Bartek J,Daugaard M,Kulms D</p>	<p>Year 2020</p> <p>Species Human</p>

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Immunohistochemistry (4)

<p>Oncology letters</p> <p>Expression levels of FBXW7 and MDM2 E3 ubiquitin ligases and their c-Myc and p53 substrates in patients with dysplastic nevi or melanoma.</p> <p>"MA1-113 was used in Immunohistochemistry to determine the expression levels of F-box and WD repeat domain-containing 7 (FBXW7), c-Myc, MDM2 and p53 proteins in samples from patients with dysplastic nevi or melanoma, and to evaluate their association with clinicopathological parameters and prognosis of the disease."</p> <p>Authors: Mozuraitiene J,Gudleviciene Z,Vincerzevskiene I,Laurinaviciene A,Pamedys J</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:250</p>
<p>Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc</p> <p>MDM2 and CDK4 immunohistochemistry is a valuable tool in the differential diagnosis of low-grade osteosarcomas and other primary fibro-osseous lesions of the bone.</p> <p>"MA1-113 was used in immunohistochemistry to examine expression of MDM2-CDK4 in low-grade osteosarcomas and fibrous or fibro-osseous lesions of the bone or parosseous soft tissue."</p> <p>Authors: Dujardin F,Binh MB,Bouvier C,Gomez-Brouchet A,Larousserie F,Muret Ad,Louis-Brennetot C,Aurias A,Coindre JM,Guillou L,Pedeutour F,Duval H,Collin C,de Pinieux G</p>	<p>Year 2011</p> <p>Species Human</p> <p>Dilution 1:25</p>

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- IHC (P) (6)
- Misc (6)

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