

HSP90 beta Monoclonal Antibody (MBH90B)

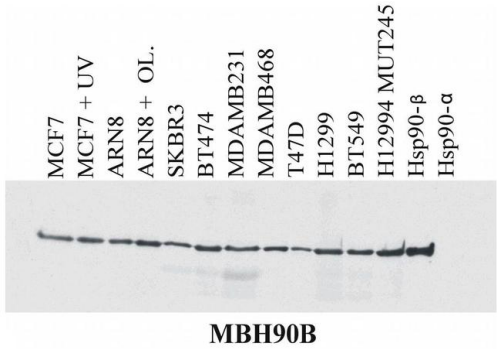
Product Details	
Size	100 µg
Species Reactivity	Bovine, Human, Mouse
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	MBH90B
Conjugate	Unconjugated
Immunogen	Peptide corresponding to the EEVHHGEEEEVEC sequence within N-terminal part of human Hsp90.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_11153425

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	3 Publications
Immunocytochemistry (ICC/IF)	1 µg/mL	-
Immunoprecipitation (IP)	1 µg/mL	-

Product Specific Information

This antibody recognizes the EEVHHG epitope within the N-terminal part of Hsp90 beta, a ubiquitously expressed protein with calculated MW of 83.3 kDa which migrates, however, as a 90 kDa band under reducing SDS-PAGE conditions.

Product Images For HSP90 beta Monoclonal Antibody (MBH90B)

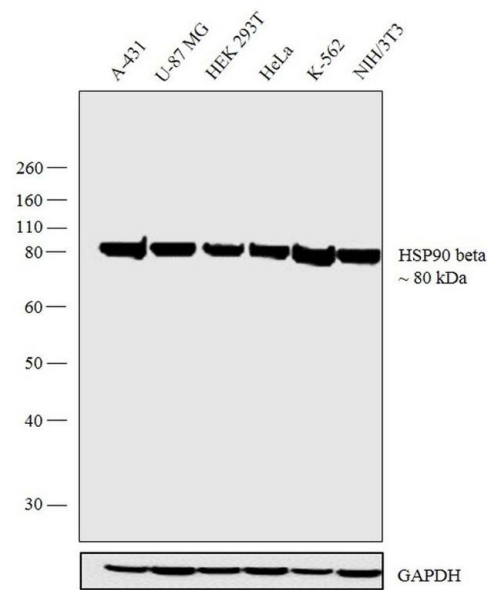


HSP90 beta Antibody (MA1-10373) in WB

Western blotting analysis of MBH90B Monoclonal antibody (Product # MA1-10373) reactivity with MCF-7, ARN8, SK-BR-3, T-474, MDA-MB-231, MDA-MB-468, T-47D, H1299, BT-549, and H12994 cell lines and recombinant Hsp90 alpha and Hsp90 beta protein.

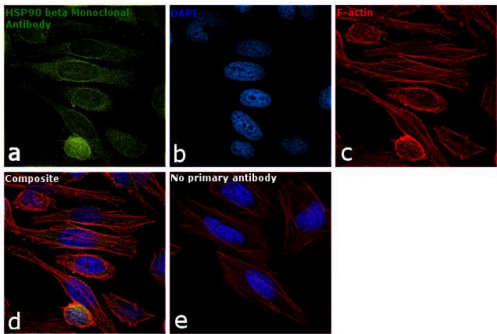
HSP90 beta Antibody (MA1-10373) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A-431 (Lane 1), U-87 MG (Lane 2), HEK 293T (Lane 3), HeLa (Lane 4), K-562 (Lane 5) and NIH/3T3 (Lane 6). The blot was probed with Anti-HSP90 beta Monoclonal Antibody (MBH90B) (Product # MA1-10373, 1 µg/ml dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A 80 kDa band corresponding to HSP90 beta was observed across the cell lines tested.



HSP90 beta Antibody (MA1-10373) in ICC/IF

Immunofluorescence analysis of HSP90 beta was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with HSP90 beta Monoclonal Antibody (MBH90B) (Product # MA1-10373) at 1 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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Western Blot (3)

<p>Genes</p> <p>Differential Regulation of Telomeric Complex by <i>BCR-ABL1</i> Kinase in Human Cellular Models of Chronic Myeloid Leukemia-From Single Cell Analysis to Next-Generation Sequencing.</p> <p>"MA1-10373 was used in Western Blot to show that BCR-ABL1 kinase expression and activity play a crucial role in the maintenance of telomeres in CML cell lines."</p> <p>Authors: Deregowska A,Pepek M,Pruszczyk K,Machnicki MM,Wnuk M,Stoklosa T</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>Aging</p> <p>Remifentanyl preconditioning protects against hypoxia-induced senescence and necroptosis in human cardiac myocytes <i>in vitro</i>.</p> <p>"MA1-10373 was used in Western Blotting to investigate remifentanyl preconditioning-based adaptive responses and underlying mechanisms using a model of human cardiomyocytes treated with the hypoxia-mimetic agent cobalt chloride."</p> <p>Authors: Lewinska A,Adamczyk-Grochala J,Bloniarz D,Horeczy B,Zurek S,Kurowicki A,Woloszczuk-Gebicka B,Widenka K,Wnuk M</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:1000</p>

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