

HSP90 alpha Recombinant Rabbit Monoclonal Antibody (SY14-06)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SY14-06
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Hsp90 alpha aa 51-100
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809351

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	1 Publication

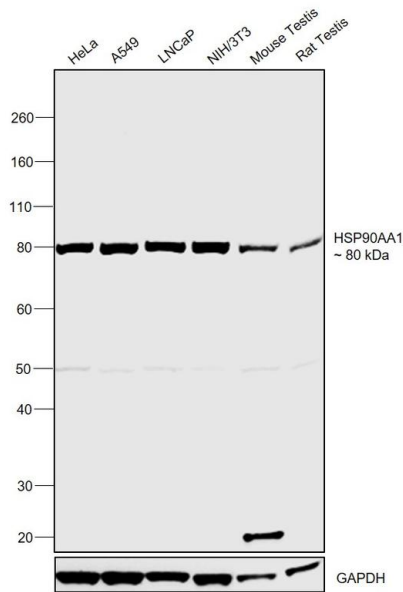
Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For HSP90 alpha Recombinant Rabbit Monoclonal Antibody (SY14-06)

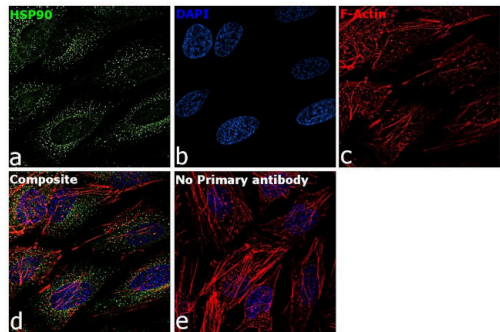
HSP90 alpha Antibody (MA5-32057) in WB

Western blot was performed using Anti-HSP90 alpha Recombinant Rabbit Monoclonal Antibody (SY14-06)(Product # MA5-32057) and a 80kDa band corresponding to HSP90 alpha was observed across cell lines and tissue extracts tested. Whole Cell Extract-WCL (30µg lysate) of HeLa (Lane 1), A549 (Lane 2), LNCaP (Lane 3), NIH/3T3 (Lane 4) and tissue extracts of Mouse Testis (Lane 5) and Rat Testis (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). 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 (1:2000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



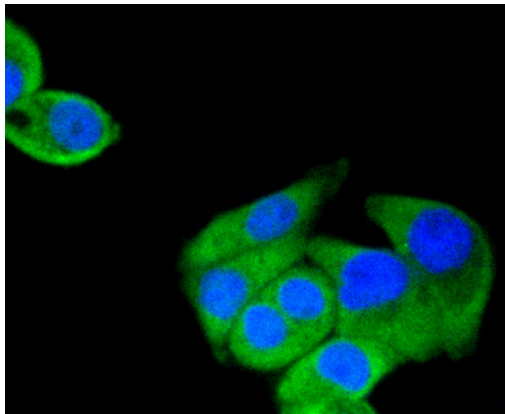
HSP90 alpha Antibody (MA5-32057) in ICC/IF

Immunofluorescence analysis of HSP90 alpha 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 2% BSA for 45 minutes at room temperature. The cells were labeled with HSP90 alpha Recombinant Rabbit Monoclonal Antibody (SY14-06) (Product # MA5-32057) at 5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). 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.



HSP90 alpha Antibody (MA5-32057) in ICC/IF

Immunocytochemical analysis of HSP90 alpha in Hela cells using a HSP90 alpha Monoclonal antibody (Product # MA5-32057) as seen in green. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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Immunocytochemistry (1)

Neural regeneration research	Year 2020
Trophic factors are essential for the survival of grafted oligodendrocyte progenitors and for neuroprotection after perinatal excitotoxicity.	Species Mouse
"Published figure using HSP90 alpha recombinant monoclonal antibody (Product # MA5-32057) in Immunocytochemistry"	Dilution 1:200
Authors: Hirose-Ikeda M,Chu B,Zhao P,Akil O,Escalante E,Vergnes L,Cepeda C,Espinosa-Jeffrey A	

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