

Angiotensinogen Recombinant Rabbit Monoclonal Antibody (1)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	1
Conjugate	Unconjugated
Immunogen	Recombinant Human SerpinA8 protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2784947

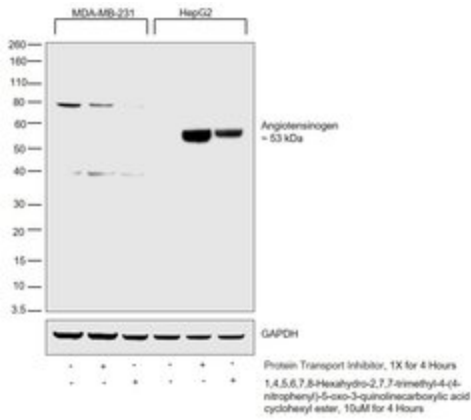
Applications	Tested Dilution	Publications
ELISA (ELISA)	1:5000-1:10000	-
Immunocytochemistry (ICC)	1:20-1:200	-
Immunofluorescence (IF)	1:20-1:200	-
Immunoprecipitation (IP)	4-6 µL/mg of lysate	-
Western Blot (WB)	1:500-1:2000	-

Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05%-0.1%).

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.

This antibody has specificity for Human SerpinA8/Angiotensinogen.



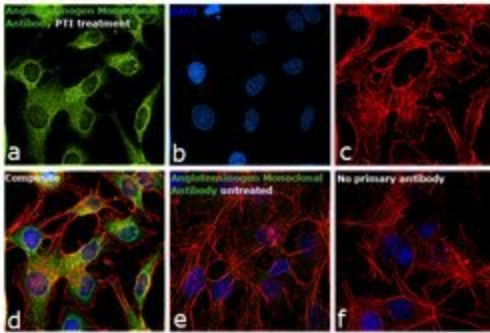
Angiotensinogen Antibody (MA5-29009)

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 Angiotensinogen was observed in HepG2 cells treated with secretion blockers as compared to MDA-MB-231 cells treated with secretion blockers using Anti-Angiotensinogen Rabbit Monoclonal Antibody (Product # MA5-29009) in western blot. Relative expression validation info.

Product Images For Angiotensinogen Recombinant Rabbit Monoclonal Antibody (1)

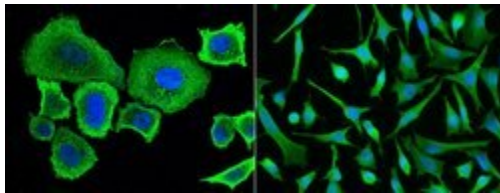
Angiotensinogen Antibody (MA5-29009) in IF

Immunofluorescence analysis of Angiotensinogen was performed using 70% confluent log phase Hep G2 cells treated with 1X protein transport inhibitor (Product # 00-4980-03) for 4 hours. Angiotensinogen is readily secreted out in the medium after translation and post processing. Treatment of cells with protein transport inhibitor sequesters Angiotensinogen in the endoplasmic reticulum. 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 1 hour at room temperature. cells were labeled with Angiotensinogen Monoclonal Antibody (Product # MA5-29009) at 1:200 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A27034) at a dilution of 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). Panel d represents the merged image showing ER membrane/cytoplasmic localization. Panel e represents untreated Hep G2 cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



Angiotensinogen Antibody (MA5-29009) in IF

Immunofluorescence staining of Human AGT in HeLa or SKBR3 cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Angiotensin Monoclonal Antibody (Product # MA5-29009) (1:60). Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope), countstained with DAPI (blue). Positive staining was localized to cytoplasm.



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